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# POLYCHLORINATED BIPHENYL ANNUAL REPORT. **MANAGEMENT PLAN**

S. E. Rathke

January 1992

SW 11/18/92

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# POLYCHLORINATED BIPHENYL ANNUAL REPORT MANAGEMENT PLAN

S. E. Rathke

Date of Issue: January 1992

Prepared by the
Oak Ridge Y-12 Plant
managed by
MARTIN MARIETTA ENERGY SYSTEMS, INC.
for the
U.S. Department of Energy
under contract DE-AC05-840R21400

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# HEALTH, SAFETY, ENVIRONMENT, AND ACCOUNTABILITY DIVISION

SUBJECT: POLYCHLORINATED BIPHENYL (PCB) ANNUAL REPORT MANAGEMENT PLAN

#### I. PURPOSE

To comply with the *Toxic Substances Control Act of 1976* (TSCA) reporting requirements under Section 6(e) and 40 Code of Federal Regulations (CFR) Part 761, *Polychlorinated Biphenyls* (PCBs) *Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions*.

#### II. SCOPE

Prepare the PCB Annual Report required under TSCA and 40 CFR, Part 761 for the Y-12 Plant facility.

#### III. DEFINITIONS

- A. Capacitor A device for accumulating and holding a charge of electricity and consisting of conducting surfaces separated by a dielectric. Types of capacitors are as follows:
  - 1. Small Capacitor A capacitor that contains < 1.36 kg (3 lb) of dielectric fluid. The following assumptions may be used if the actual weight of the dielectric fluid is unknown. A capacitor whose total volume is < 1639 cm³ (100 in.³) may be considered to contain < 1.36 kgs (3 lb) of dielectric fluid, and a capacitor whose total volume is > 3278 cm³ (200 in.³) must be considered to contain > 1.36 kg (3 lb) of dielectric fluid. A capacitor whose volume is between 1639 and 3278 cm³ may be considered to contain < 1.36 kg (3 lb) of dielectric fluid if the total weight of the capacitor is < 4.08 kg (9 lb).
  - 2. Large High-Voltage Capacitor A capacitor that contains 1.36 kg (3 lb) or more of dielectric fluid and operates at 2000 volts (ac or dc) or above.
  - 3. Large Low-Voltage Capacitor A capacitor that contains 1.36 kg (3 lb) or more of dielectric fluid and operates below 2000 volts (ac or dc).
- B. Chemical Waste Landfill A landfill at which protection against risk of injury to health or the environment from migration of PCBs to land, water, or the atmosphere is provided from PCBs and PCB items deposited therein by locating, engineering, and operating the landfill as specified in 40 CFR 761.75.

## III. DEFINITIONS (cont.)

- C. Disposal To intentionally or accidentally discard, throw away, or otherwise complete or terminate the useful life of PCBs and PCB items. Disposal includes spills, leaks, and other uncontrolled discharges of PCBs as well as actions related to containing, transporting, destroying, degrading, decontaminating, or confining PCBs and PCB items.
- D. Incinerator An engineered device using controlled flame combustion to thermally degrade PCBs and PCB items. Examples of devices used for incineration include rotary kilns, liquid injection incinerators, cement kilns, and high-temperature boilers.
- E. Off-site Any location removed from the facility site (i.e., another plant, waste treatment facility, or storage facility).
- F. PCB and PCBs Any chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances that contains such substance.
- G. PCB Article Any manufactured article, other than a PCB container, that contains PCBs and whose surface(s) has been in direct contact with PCBs. PCB article includes capacitors, transformers, electric motors, pumps, pipes, and any other manufactured item that (1) is formed to a specific shape or design during manufacture, (2) has end use function(s) dependent in whole or in part upon its shape or design during end use, and (3) has either no change of chemical composition during its end use or only those changes of composition that have no commercial purpose separate from that of the PCB article.
- H. PCB Article Container Any package, can, bottle, bag, barrel, drum, tank, or other device used to contain PCB articles or PCB equipment, and whose surface(s) has not been in direct contact with PCBs.
- I. PCB Container Any package, can, bottle, bag, barrel, drum, tank, or other device that contains PCBs or PCB articles and whose surface(s) has been in direct contact with PCBs.
- J. PCB Equipment Any manufactured item, other than a PCB container or a PCB article container, that contains a PCB article or other PCB equipment, and includes microwave ovens, electronic equipment, and fluorescent light ballasts and fixtures.
- K. PCB Item Any PCB article, PCB article container, PCB container, or PCB equipment that deliberately or unintentionally contains or has as part of it any PCB or PCBs.
- L. PCB Transformer Any transformer that contains 500 ppm PCB or greater.

# III. DEFINITIONS (cont.)

- M. PCB-Contaminated Electrical Equipment Any electrical equipment, including but not limited to transformers (including those used in railway locomotives and self-propelled cars), capacitors, circuit breakers, reclosers, voltage regulators, switches (including sectionalizers and motor starters), electromagnets, and cable, that contain 50 ppm or greater PCB but < 500 ppm PCB. Oil-filled electrical equipment other than circuit breakers, reclosers, and cable whose PCB concentration is unknown must be assumed to be PCB-contaminated electrical equipment.</p>
- N. Storage for Disposal Temporary storage of PCBs that have been designated for disposal.
- O. Totally Enclosed Manner Any manner that will ensure no exposure of human beings or the environment to any concentration of PCBs.
- P. Waste Oil Used products primarily derived from petroleum, including, but not limited to fuel oils, motor oils, gear oils, cutting oils, transmission fluids, hydraulic fluids, and dielectric fluids.

#### IV. REFERENCES

- A. Public Law 940-469: Toxic Substances Control Act (TSCA), Oct. 12, 1976
- B. Title 40, Part 761: Code of Federal Regulations (CFR), Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions

#### V. RESPONSIBLE INDIVIDUALS AND ORGANIZATIONS

- A. Environmental Management Department (EMD) Y-12 Plant PCB Coordinator
- B. Waste Transportation, Storage, and Disposal (WTSD) Department Supervisor of Technical Staff and Shipments
- C. Electrical Maintenance Department
- D. Materials Department Transportation Specialist
- E. Building Coordinators

#### VI. PROCEDURES

- A. Environmental Management Department (EMD) Y-12 Plant PCB Coordinator
  - 1. Notifies WTSD, Electrical Maintenance, and Materials of data necessary to complete the PCB Annual Inventory Report. This should take place no later than January 31 to ensure adequate time for data acquisition. See Fig. 1.

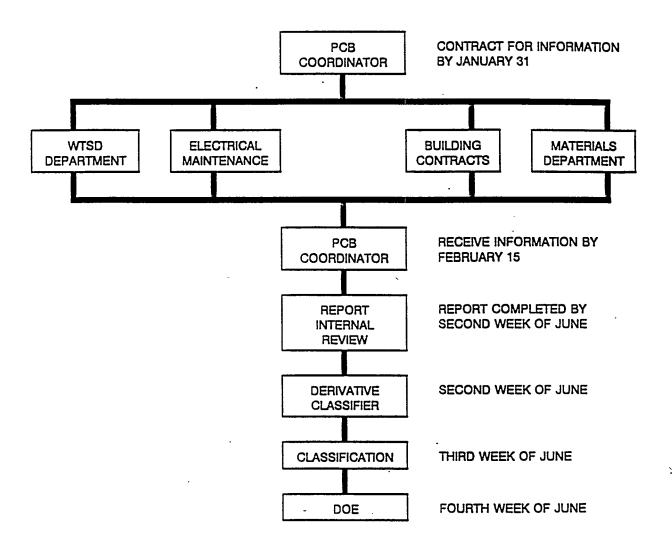


Fig. 1. Schedule for EMD Y-12 Plant PCB Coordinator.

- Prepares the PCB Annual Inventory Report and maintains the PCB inventory list based on data obtained from support and operation groups. All information should be received by February 15; data entry and manipulation should be initiated by March 1.
  - a. Assemble the cover letter to be attached to the document (Appendix A).
  - b. As information is gathered for the annual report, retrieve the format layout from the Table of Contents, 1990 PCB Annual Inventory Report (Appendix B) for guidance in establishing the document.
  - c. All data from WTSD will arrive in Dbase IV. Information from Electrical Maintenance, the building coordinators, and Materials will be in hard form. This information will be entered into Dbase IV to facilitate data manipulation.
  - d. Tallying large sections of the report on a calculator is to be avoided because it will create errors. Therefore, the use of Dbase IV to manipulate data will allow all calculations to take place on the computer, minimizing error.
  - e. Separate data files for each section of the report should be set up. They are as follows:
    - C.1.1 Drummed beginning waste,
    - C.1.2 Bulk beginning waste.
    - C.1.3 Miscellaneous beginning waste,
    - C.1.3.a PCB articles,
    - C.1.3.b PCB article containers.
    - C.2.1 Drummed generated waste.
    - C.2.2 Bulk generated waste.
    - C.2.3 Miscellaneous generated waste.
    - C.2.3.a PCB articles,
    - C.2.3.b PCB article containers.
    - C.3.1 Drummed shipped waste,
    - C.3.2 Bulk shipped waste.
    - C.3 Miscellaneous shipped waste.
    - C.3.3.a PCB articles.
    - C.3.3.b PCB article containers,
    - C.4.1 Drummed ending waste.
    - C.4.2 Bulk ending waste.
    - C.4.3 Miscellaneous ending waste,
    - C.4.3.a PCB articles, and
    - C.4.3.b PCB article containers.

The files can be named to correspond to the sections of the report (i.e., Sect. C.1.1 for drummed beginning waste). Ensure that all sections balance (i.e., the beginning total, plus the generated total, minus the shipped total, equals the ending total) as necessary before creating the final document.

f. Once the document is compiled, the review process is initiated. Sherry Robbins (ext. 6-5972) will provide a Y/TS number for the document. The report and appropriate cover letter (Appendix A) should be reviewed by a Health, Safety, Environment, and Accountability (HSEA) Division Derivative Classifier, and go through internal review per the Document Approval Cycle of the Department of Environmental Management (Appendix C) during the second week of June. During the third week, it will be reviewed by Vivienne Byrd, Classification (Building 9731, MS-8175, Ext. 4-3836), and Alan Keith, Patent office (Building 9704-2, MS-8014, Ext. 4-2229). This schedule will provide the Department of Energy the last week of June to review and submit the report to the appropriate agencies by July 1.

Internal distribution for the report is found on page 3 of Appendix A.

B. Waste, Transportation, Storage, and Disposal Department (WTSD)

NOTE: The Y-12 Plant contact for all information required from WTSD is J. T. Foust (Building 9704-01, MS-8060, Ext. 4-1610).

- 1. Maintains all data bases of waste inventories and shipments. WTSD provides this information on disk to EMD once a year for the PCB Annual Inventory Report.
- 2. Maintains inventory of the Y-12 Plant PCB storage. Facilities are as follows:
  - a. Building 9720-09, TSCA Drummed Storage Facility.
  - b. Building 9404-07, TSCA Drummed Storage Facility.
  - c. Waste Oil Solvent Storage Facility (Facility OD-9). Three tanks contain PCBs. One tank contains strictly PCB oil, which is drained and shipped off-site regularly. The remaining two tanks contain uranium-contaminated PCB oil.
  - d. Transformer Storage Area (Facility OD-9). Contains items, such as transformers, that are in the process of being shipped off-site.
  - e. Disposal Area Remedial Action (DARA) Liquid Storage Facility.
  - DARA Solid Storage Facility. Contains soil removed for remedial action.
  - g. Building 9811-01 (Facilities OD-7 and OD-8). This is an approved TSCA storage facility; however, PCB-contaminated material has not been stored here for the past year. It could contain drummed material.
  - h. Oil Landfarm Soils Storage Pad. Contains soil removed for remedial action projects.
  - i. Building 9720-31 (Resource Conservation and Recovery Act Model). Containers are placed here pending sample analysis. They are then moved to the proper storage area (usually Building 9720-09 or 9404-07, if PCBs are contained in the drums).

- j. Liquid Solvent Waste Storage Facility (Facility OD-10).
- 3. Provides the following information for each PCB storage area listed above:
  - a. PCB Waste Inventory beginning January 1 (the calendar year the report begins) (Appendix D).
    - (1) Drummed PCB liquid and solid waste. Include the following information:
      - requisition number (i.e., A29292),
      - old identification number (i.e., 82-s-009),
      - radiation contaminated (e.g., yes or no),
      - contents description (i.e., sorball and rags),
      - PCB concentration (i.e., 500 ppm),
      - mass (i.e., 100 kg) (2.2015 lb = 1 kg),
      - date stored (date when item was first placed into container), and
      - storage location (i.e., 9404-07).
    - (2) Bulk PCB waste (e.g., tanks). Include the following information:
      - radiation contaminated (e.g., yes or no),
      - contents description (i.e., transformer oil),
      - PCB concentration (i.e., 500 ppm),
      - mass (i.e., 10,000 kg) (2.205 lb = 1 kg),
      - date stored (date when item was first placed into tank), and
      - storage location (i.e., Building 9418-09).
    - (3) Miscellaneous equipment PCB articles (i.e., pipes, tanks) and article containers (i.e., capacitors and piping) <u>must</u> be sorted and calculated separately. These items will be included with the drummed PCB wastes. These items must be categorized into solid, liquid, article, article container, bulk liquid, and bulk solid wastes.
  - b. Waste generated from January 1 to January 1 (the calendar year the report ends) (Appendix E).
    - (1) Drummed PCB liquid and solid waste. Include the following information:
      - requisition number (i.e., A29292),
      - radiation contaminated (e.g., yes or no).
      - contents description (i.e., sorball and rags),
      - PCB concentration (i.e., 500 ppm),
      - mass (i.e., 100 kg) (2.205 lb = 1 kg),
      - date stored (date when item was first placed into container), and
      - storage location (i.e., Building 9404-07).

- (2) Bulk PCB waste (e.g., tanks). Include the following information:
  - radiation contaminated (e.g., yes or no),
  - contents description (i.e., transformer oil),
  - PCB concentration (i.e., 500 ppm),
  - mass (i.e., 10,000 kg) (2.205 lb = 1 kg),
  - date stored (date when item was first placed into tank), and
  - storage location (i.e., Building 9418-09).
- (3) Miscellaneous equipment PCB articles (i.e., pipes and tanks) and article containers (i.e., capacitors and piping) must be sorted and calculated separately. These items will be included with the drummed PCB wastes. These items must be categorized into solid, liquid, article, article container, bulk liquid, and bulk solid wastes.
- c. Waste shipped from January 1 to January 1 (Appendix F).
  - (1) Drummed PCB liquid and solid waste. Include the following information:
    - requisition number (i.e., A29292),
    - old identification number (i.e., 82-s-009),
    - radiation contaminated (e.g., yes or no),
    - contents description (i.e., sorball and rags),
    - PCB concentration (i.e., 500 ppm),
    - mass (i.e., 100 kg) (2.205 lb = 1 kg),
    - date stored (date when item was first placed into container), and
    - storage location (i.e., Building 9404-07).
  - (2) Bulk PCB waste (e.g., tanks). Include the following information:
    - radiation contaminated (e.g., yes or no),
    - contents description (i.e., transformer oil),
    - PCB concentration (i.e., 500 ppm),
    - mass (i.e., 10,000 kg) (2.205 lb = 1 kg),
    - date stored (date when item was first placed into tank), and
    - storage location (i.e., Building 9418-09).
  - (3) Miscellaneous equipment PCB articles (i.e., pipes and tanks) and article containers (i.e., capacitors, piping) must be sorted and calculated separately. These items will be included with the drummed PCB wastes. These items must be categorized into solid, liquid, article, article container, bulk liquid, and bulk solid wastes.

- d. Ending PCB Waste Inventory January 1 (Appendix G).
  - (1) Drummed PCB liquid and solid waste. Include the following information:
    - requisition number (i.e.; A29292),
    - old identification number (i.e., 82-s-009),
    - radiation contaminated (e.g., yes or no),
    - contents description (i.e., sorball and rags),
    - PCB concentration (i.e., 500 ppm),
    - mass (i.e., 100 kg) (2.205 lb = 1 kg),
    - date stored (date when item was first placed into-container), and
    - storage location (i.e., Building 9407-07).
  - (2) Bulk PCB waste (e.g., tanks). Include the follow information:
    - radiation contaminated (e.g., yes or no),
    - contents description (i.e., transformer oil),
    - PCB concentration (i.e., 500 ppm),
    - mass (i.e., 10,000 kg) (2.205 lb = 1 kg),
    - date stored (date when item was first placed into tank), and
    - storage location (i.e., Building 9418-09).
  - (3) Miscellaneous equipment PCB articles (i.e., pipes and tanks) and article containers (i.e., capacitors and piping) must be sorted and calculated separately. These items will be included with the drummed PCB wastes. These items must be categorized into solid, liquid, article, article container, bulk liquid, and bulk solid wastes.
- 4. Maintains copies of all Off-site Shipment Manifests and Certificates of Disposal.
- C. Electrical Maintenance Department

NOTE: The Y-12 Plant contact for all information required from Electrical Maintenance is Mike Blalock (Building 9737, MS-8091, Ext. 4-0532).

- 1. Maintains an inventory of electrical equipment. This includes the number of PCB transformers and capacitors used in the high-voltage power system at the Y-12 Plant. Most of these are located outside of the buildings to which they provide power. This information is to be provided to EMD by hard copy annually for incorporation into the PCB Annual Inventory Report.
- 2. Maintains an inventory of the tank located in Building 9418-09 (i.e., when and how many gallons are either deposited into or removed from the tank). This facility generally is used for the storage of liquids created as a result of retrofill operations. This log is provided to EMD annually, by February 15, to be included in the PCB Annual Inventory Report.

- 3. Provides to EMD the following information for Building 9418-09:
  - a. Beginning PCB Waste Inventory, January 1 (Appendix H).
    - (1) Bulk PCB waste. Include the following information:
      - radiation contaminated (e.g., yes or no),
      - contents description (i.e., transformer oil),
      - PCB concentration (i.e., 500 ppm),
      - mass (i.e., 10,000 kg) (2.205 lb = 1 kg),
      - date stored (date when item was first placed into tank),
      - storage location (i.e., Building 9418-09).
  - b. Waste generated from January 1 to January 1 (Appendix I).
    - (1) Bulk PCB waste. Include the following information:
      - radiation contaminated (e.g., yes or no).
      - contents description (i.e., transformer oil),
      - PCB concentration (i.e., 500 ppm),
      - mass (i.e., 10,000 kg) (2.205 lb = 1 kg),
      - date stored (date when item was first placed into tank), and
      - storage location (i.e., Building 9418-09).
  - c. Ending PCB Waste Inventory January 1 (Appendix J).
    - (1) Bulk PCB waste. Include the following information:
      - radiation contaminated (e.g., yes or no),
      - contents description (i.e., transformer oil),
      - PCB concentration (i.e., 500 ppm),
      - mass (i.e., 10,000 kg) (2.205 lb = 1 kg),
      - date stored (date when item was first placed into tank), and
      - storage location (i.e., Building 9418-09).
- 4. Provides information to EMD regarding PCB equipment in use in the electrical system at the Y-12 Plant.

**NOTE**: This does not include the equipment used within each building in the Plant. This equipment is covered under Sect. E (Building Coordinators). This information is as follows:

- a. PCB transformers (500 ppm PCB or greater) in service (Appendix K).
- b. PCB large high- and low-voltage capacitors containing 3 lb or greater of dielectric fluid.

- c. Miscellaneous sources of PCBs and PCB items, including:
  - (1) PCBs and PCB items in containers, and
  - (2) Other items (i.e., switches and hydraulic systems).

# D. Materials Department

NOTE: The Y-12 Plant contact for all information required from the Materials Department is Dave Foster (Building 9720-08, MS-8043, Ext. 6-2542).

- 1. Retains all <u>original</u> Manifests and Certificates of Disposal for January 1 to January 1 (Appendix L).
- 2. Provides the telephone log mandated as of February 5, 1990, which requires a call to the disposer who signed the manifest within 24 h of the time that a signed manifest is received to verify that the signature is legitimate (Appendix M). This information is provided to EMD by February 15.

### E. Building Coordinators

- 1. Provide to EMD a list of any PCB equipment that is located (in use, stored for reuse, or stored for disposal) within the coordinator's building. Annually (by February 15), the building contacts who have previously registered PCB- or possible PCB-contaminated equipment are contacted by telephone. The list of current contacts is in Appendix N. EMD requests information on any changes to existing data within the calendar year. This information includes the following items:
  - a. PCB transformers (500 ppm PCB or greater).
  - b. PCB large high- and low-voltage capacitors containing 3 lb or greater of dielectric fluid (Appendix O), and
  - c. Miscellaneous sources of PCBs and PCB items (Appendix P), including:
    - (1) PCBs and PCB items in containers, and
    - (2) other items (i.e., hydraulic systems and lube oil systems).

# APPENDIX A COVER LETTER FOR PCB ANNUAL INVENTORY REPORT

#### APPENDIX A

# COVER LETTER FOR PCB ANNUAL INVENTORY REPORT

MARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX 2008 OAK RIDGE, TENNESSEE 37831

June 25, 1990

Mr. R. J. Spence Department of Energy, Oak Ridge Operations Post Office Box 2001 Oak Ridge, Tennessee 37831

Dear Mr. Spence:

Polychlorinated Biphenyl (PCB) Annual Inventory Report for January 1, 1989, to February 5, 1990, at the Y-12 Plant

Enclosed is the Y-12 PCB Annual Inventory Report from January 1, 1989, to February 5, 1990, (Y/TS-667). The purpose of this report is to fulfill the record keeping requirements set forth in 40 CFR, Part 761.180(a), as specified for facilities using and storing PCBs. The document provides information for the period covering January 1, 1989, through February 5, 1990, at the Y-12 Plant concerning the type and amount of PCB equipment and waste generated, disposed of, and held in storage.

In a letter dated May 4, 1990, the Office of Pesticides and Toxic Substances of the Environmental Protection Agency (EPA) assigned the PCB Identification Number for the Y-12 Plant as TN3890090001. This number is also identified by the EPA as the Y-12 Plant Hazardous Waste Identification Number.

If you have any questions concerning the document, please contact S. E. Rathke at 4-9394.

Very truly yours,

Gordon G. Fee Vice President and Y-12 Plant Manager

GGF:SERathke:imd

Enclosure: Y/TS-667

cc/enc: See page 2

cc/enc: J. K. Bailey/J. A. Olson

W. A. Groppe/J. D. Lovette/M. S. Blalock

J. E. Heiskell/K. D. Delius H. W. Hibbitts, DOE-ORO

J. E. Keyes (2) T. P. A. Perry S. E. Rathke P. S. Rohwer

C. E. Searcey

T. S. Tison, DOE-ORO

S. W. Wiley

Y-12 Central Files - RC

cc: T. R. Butz/K. L. Brady/R. M. Keyser/C. C. Hill

G. G. Fee

M. E. Mitchell

L. F. Willis

# APPENDIX B TABLE OF CONTENTS, 1989 PCB ANNUAL INVENTORY REPORT

# APPENDIX B

# TABLE OF CONTENTS, 1989 PCB ANNUAL INVENTORY REPORT

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C-1

#### APPENDIX C

# DOCUMENT APPROVAL CYCLE OF THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

#### DOCUMENT APPROVAL CYCLE

## Bostock to Spence

- Document begins with Initiator who requests Section Secretary to provide final form.
- Section Secretary completes and returns the following to the Initiator:
  - (a) original with attached Technical routing slip (white) and
  - (b) duplicate with attached Administrative routing slip (pink).
- The Section Secretary and the Initiator initial and date both route slips. The slips will indicate whether the document has been electronically edited (i.e., Grammatik).

#### THE NEXT TWO SECTIONS CONTAIN THE PARALLEL FLOW OF THE IDENTICAL PACKAGES

### Technical

- The Technical package is forwarded to the Section Head for comments and concurrence by initialing and dating the route slip.
- The package is then forwarded to the Department Secretary for logging and routing to the following (as appropriate for the document) with each initialing and dating the route slip after redlining comments:
  - (a) C. C. Hill comments and concurrence, and
  - (b) R. M. Keyser comments and concurrence.
- The package is returned to the Department Secretary with a completed route slip at which time she will review the comments by Hill and Keyser and signify which comments belong to whom (by placing their initials adjacent to their comments). If incorporation of comments is necessary, the package will be returned to the Section Secretary/Initiator.

#### Administrative

- The Administrative package is forwarded to the Environment/Health Group Secretary (by the Department Secretary) for editing and concurrence by initialing and dating the route slip.
- The Administrative package is then returned to the Department Secretary for editing and concurrence by initialing and dating the route slip.
- If necessary, the Administrative package is then returned to the Section Secretary/Initiator with a completed route slip for incorporation of editing and/or technical comments.

## TECHNICAL AND ADMINISTRATIVE COMMENTS ARE INCORPORATED AT THIS POINT

- The initiator will review all comments and resolve any conflicts or open questions and negotiate with the commenter as necessary for changes. (The initiator will resubmit the corrected version to the appropriate commenter, if necessary.) The package is then returned to the Department Secretary as a final check to ensure that all corrections have been appropriately dispositioned.
- If no comments require correction to the document, the Department Secretary will affix and date the final, yellow route slip to identify that the package is ready for classification review. (All route slips from the review cycle are attached to the final package to show concurrence. Any "special instructions" concerning distribution should be included on the back of the route slips.

# Final Package

- After classification review, the final package is then forwarded to the Division Manager's office for concurrence. (Note: For documents not requiring Division Manager approval, the document can be distributed at this point.)
- Providing there are no more changes, the complete package is then forwarded to Bostock's
  office for signature. (Note: Unless otherwise noted, <u>all</u> enclosures must be present for Bostock's
  office to accept.)
- Unless otherwise noted, the signed package then is returned via courier to the 9116 copier/courier for distribution.
- All three route slips (white, pink, and yellow) should be retained by the Section Secretary for a six-month period for record purposes. (The file containing the completed route slips eventually will be purged.)

#### Special Notes

- This system has been designed to <u>eliminate</u> duplication and iteration of corrections, thus saving time and effort.
- At no time should any one person make corrections to both packages during the dual cycle. (The dual cycle ends when the changes are incorporated and forwarded to the Department Secretary for the final, yellow route slip and classification review.)
- Though a technical review may note editorial corrections, it is the responsibility and purpose of the Administrative review to ensure proper format, style, and editing corrections. The technical review shall focus on content, intent, and clarity.
- To provide a more efficient tracking system, all concurrences should be dated.
- Please reference attached "11 + 1" chart for current flow diagram (Fig. C-1) and internal review document routing slips (Fig. C-2).

4-2-90

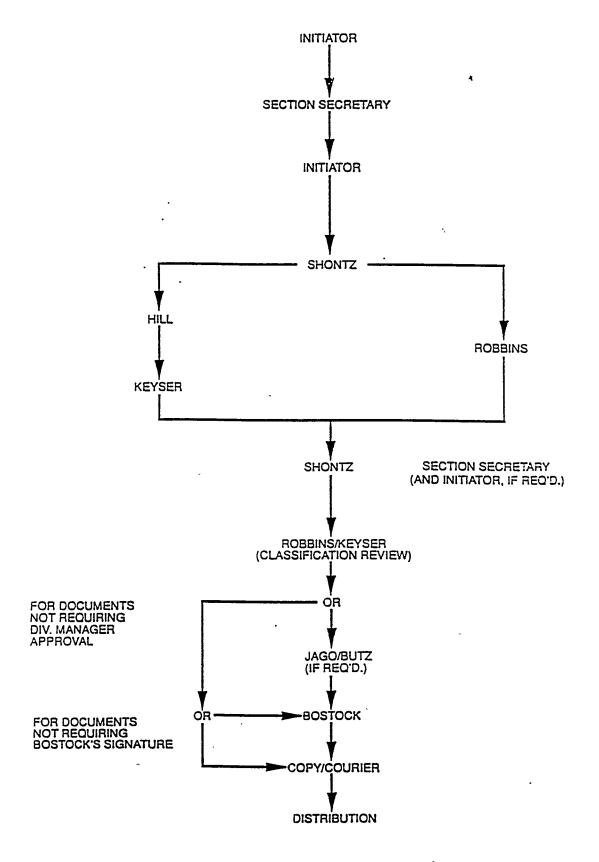


Fig. C-1. Flow diagram for technical and administrative document review.

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Fig. C-2. Internal review document routing slips.

# APPENDIX D EXAMPLE OF WTSD ANNUAL PCB WASTE INVENTORY

# APPENDIX D

# EXAMPLE OF WTSD ANNUAL PCB WASTE INVENTORY

- C. PCB WASTE ACTIVITY INVENTORY FOR JANUARY 1, 1989, TO FEBRUARY 5, 1990
- C.1 BEGINNING PCB WASTE INVENTORY JANUARY 1, 1989
- C.1.1 Drummed PCB Liquid And Solid Wastes

OLD ID #	RAD CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPN)	(KGS)	DATE STORED	STORAGE LOCATION	WASTE CATEGORY
81-L-003	YES	KS OIL	UNIXIOLAN	84	05/11/81		PCB LIQUID
81-L-015	YES	H-WING COOLANT	UNIDIGUN	18	05/11/81		PCB LIQUID
84-L-011	YES	DR 5992	UNIDIOUM	129	04/24/84		PCE LIQUID
84-L-045	YES	HB OIL	UNIDIOLA	275	07/17/84		PCE LIQUID
84-L-047	YES	HB OIL	UNICION	275 129	07/17/84		PCE LIQUID
84-L-055	YES	OIL	UNICIONI UNICIONI	100	10/12/84		PCE LIQUID
84-L-056	YES	PCB DILS FROM AWALY. PCB & MIN. DIL	UNICHOUN	300	09/06/85		PCS LIQUID
85-L-128 85-L-131	YES YES	ST #46	7000	147	10/04/85		PCB FIGUID
85-L-133	YES	ST #47	UNIXION	180	10/04/85		PCE LIQUID
85-L-135	YES	80° Y2	UKIDIOLIN	180	10/04/85		PCB LIQUID
85-L-137	YES	SY #5669	UNICKOLAN	180	10/04/85		POR LIQUID
85-L-138	YES	ST #52	UKKNOW	180	10/04/85		PCS LIQUID
85-L-140	YES	SY #8283	UNIXION	180	10/04/85	9720-9	PCB LIQUID
85-L-141	YES	ST #8266	UNIDICUM	180	10/04/85	9720-9	PCB LIQUID
85-L-148	YES	SY #8414	UNIDICUM	180	10/04/85	9720-9	PCE LIQUID
85-L-149	YES	ST #8404	UHIDICUM	180	10/04/85	9720-9	PCE LIQUID
85-L-151	YES	ST \$8262	UNICOLIN	180	10/04/85	9720-9	PCE LIQUID
85-L-155	YES	ST 89227	UNUDIOLEN	226	10/04/85	9720-9	PCE LIQUID
85-L-156	YES	ST #8261	UNIDICUM	226	10/04/85	9720-9	PCS LIQUID
85-L-157	TES	ST #9229	UNIDIOLAL	226	10/04/85		PCB LIQUID
85-L-158	YES	ST #922B	- UNIXIOUM	212	10/04/85		PCE LIQUID
85-L-159	YE\$	SY #9085	UNIDIOLN	180	10/04/85		POR LIQUID
85-L-160	YES	ST #9084	4	179	02/28/90		PCE LIQUID
85-L-161	YES	SY #9225	UNIDIOLIN	180	10/04/85		PCB LIQUID
85-L-162	YES	ST #9083	1000	172		9720-9	PCE LIQUID
85-L-166	YES	SY #9224	UKICKIAK	180		9720-9	PCE LIQUID
85-L-167	YES	SY #9082	UNIDIOUN	180		9720-9	PCE LIQUID
86-L-061	YES	Lianip	UNIDICLIN	250 190	03/04/84	5 9720-9 5 9720-9	POS LIQUID
86-L-074	YES	PCE CONT. WATER	UNICION	190	•	5 9720-9 5 9720-9	PCE LIQUID
86-L-075	TES YES	PCB, SOLVENT, WATER SY 3991	UNIDIOLIN	180		9720-9	PCS LIQUID
86-L-078 86-L-079	YES	SY 6331&1498, 50% H20	UNIDIONA	180		9720-9	PCS LIQUID
86-L-081	YES	SY 8330	UNIXIOUM	180		5 9720-9	PCS LIQUID
86-L-082	YES	20% WATER	UNIDIOUM	180		5 9720-9 .	PCE LICUID
86-L-084	YES	80% WATER	UNIDION	180		5 9720-9	PCS LIQUID
86-L-086	YES	90% WATER	UNIONOLIN	180		5 9720-9	PCS LIQUID
86-L-087	YES	SY 8146	740	147		5 9720-9	PCE LIQUID
86-L-091	YES	SY 6100, 40% WATER	84	179	04/26/8	5 9720-9	PCB LIQUID
86-L-093	YES.	SY 37778522, 50% WATER	UNICION	180	04/25/8	6 9720-9	POR LIQUID
86-L-094	YES	SY 5586	940	181	04/25/8	6 9720-9	PCE LIQUID
86-L-095	YES	SY PCB #16	UNICHCEM	126	04/25/8	6 9720-9	PCS LIQUID
86-L-096	YE\$	SY 6345	UNIDIOLAL	180		6 9720-9	PCS LIQUID
86-L-097	YES	SY 5585	770	179		6 9720-9	POR LIQUID
86-L-098	YES	SY 6423, 60% WATER	290	176		5 9720-9	PCE LIQUID
86-L-100	YES	SY 8143	630	170		6 9720-9	PCE LIQUID
86-L-101	YES	SY 8145	UNIDIOUM	180		6 9720-9	PCE LIQUID
86-L-102	YES	ST 6401, 60% WATER	UKOKUM	165		6 9720-9	PCE LIQUID
86-L-103	YES	WATER	UNIDICIAN	180 180		6 9720-9 6 9730-9	POR LIQUID
86-L-104	YES	WATER	- UNICHCIAN UNICHCIAN	250		6 9720-9 6 LINE YARD	PCS LIQUID
86-L-138	YE <b>S</b> YE <b>S</b>	MIN. OIL, ' PERC OIL/WATER N-2 PLEMIN	UNICION	113		6 9720-9	POE FIGUID
86-L-162	YES	OIL/MATER H-2 PLENUM	UNIXION	250		6 9720-9	PCE LIQUID
86-L-163 86-L-164	YES	OIL/MATER H-2 PLEMUM	UKISKOLM	250		6 9720-9	PCB LICUID
00-F-104		415/ miles 11 0 1 00mg/	~~~~		//-		

# C.1.2 Bulk PCB Wastes

STORAGE TANK	RAD. CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPM)	MASS (KGS)	DATE
9418-9	No	Misc. Transformer Oil	300	34,000	06/88 to 12/88
004-W	Yes	Oil and Water From Burial Grounds	40 -	57,950	11/79
004-H	Yes	Y-12 Plant Waste Oil	720	29.650	01/80
009-F5	No	Misc. Oil and Water	>500	113,245	10/88
009-F4	Yes	Misc. Oil and Water	>500	3,175	10/88
009-F1	Yes	Misc. Oil and Water	>500	1.587	10/88

TOTAL BULK LIQUIDS.... 239,607

STORAGE LOCATION	RAD. CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPM)	MASS (KGS)	DATE STORED
	******		********	*******	
Oil Landfarm	YES	Soil from Remedial	100	465.306	11/88
Storage		Actions in Oil	to		and
Facility		Landfarm Areas	1700		12/88

TOTAL BULK SOLIDS.... 465,306

# C.1.3 Miscellaneous Equipment

# C.1.3.a PCB articles

	OLD ID #	rad Cont	CONTENTS DESCRIPTION	PCB LEVEL (PPM)	(KGS)	DATE STORED		WASTE CATEGORY
	****		*********************		***	******	EXECUTE:	ETHNOCH STEE
•	NS-020	YES	VACUUM PUMP	UNKNOWN	181	03/28/88	9720-9	PCB ARTICLE
	XS-021	YES	TRAP & PIPES	UNIONOLIN	113	03/28/88	9720-9	PCB ARTICLE
	NS-069	YES	VACUUM PUMP	UNKNOWN	544	03/28/88	9720-9	PCB ARTICLE
	xs-115	YES	TANK	UNICHOLIN	<u>138</u>	01/29/88	9720-9	PCB ARTICLE

TOTAL ARTICLES.... 976

C.1.3.b PCB article containers

OLD ID #	RAD CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPM)	HASS (KGS)	DATE STORED	STOFAGE LOCATION	WASTE CATEGORY
********		**********************			**********	**********	
81-S-001	YES	SKALL CAPYELLOW	ASKAREL	136	12/07/81		PCB ARTICLE CONTAINS
83-S-048	YES	7 CAP YELLOW	ASKAREL	87	10/27/83		PCB ARTICLE CONTAIN
83-S-053	YES	CAPS. LEAKERS-YELLOW	ASKAREL	88	06/17/82	9404-7	PCB ARTICLE CONTAINS
83-S-055	YES	8 CAP YELLOW	ASKAREL	240	10/27/83		PCB ARTICLE CONTAINS
83-S-063	YES	5 CAP YELLOW	ASKAREL	150	07/08/83	9404-7	PCB ARTICLE CONTAINS
83-S-065	YES	4 CAP YELLOW	ASKAREL	120	07/08/83	9404-7	PCB ARTICLE CONTAINS
84-5-061	YES	PUMPS, PIPING, VALVES	UNICHOUN	113	07/18/84	9720-9	PCB ARTICLE CONTAINS
84-5-062	YES	PUMPS, PIPING, VALVES	UNICHOLAN	113	07/18/84	9720-9	PCB ARTICLE CONTAINE
84-5-063	YES	PUMPS, PIPING, VALVES	UNICHOLIN	90	07/18/84	9720-9	PCB ARTICLE CONTAINE
84-S-064	YES .	PUMPS, PIPING, VALVES	UNIXIOUN	263	07/18/84	9720-9	PCB ARTICLE CONTAINS
84-5-072	YES	PUMP, PIPE	UNIXIONAL	126	07/18/84	9720-9	PCB ARTICLE CONTAINS
84-S-169	YES	4 PCB CAP YELLOW	UNIXHOUN	102	04/02/90	9720-9	PCB ARTICLE CONTAINS
84-S-170	YES	4 PCB CAP YELLOW	UNICHOLIN	108	04/02/90	9720-9	PCB ARTICLE CONTAINS
84-5-177	YES	3 PCE CAP YELLOW	UNICHOUN	111	04/02/90	9720-9	PCB ARTICLE CONTAINE
85-s-003	YES	4 PCB CAP YELLOW	UNICHOLIN	130	02/15/85	9720-9	PCB ARTICLE CONTAINS
85-5-004	YES	4 PCB CAP YELLOW	UNIXHOUN	65	02/15/85	9720-9	PCB ARTICLE CONTAINS
85-5-005	YES	4 PCE CAP YELLOW	UNIXHOLIN	90	02/15/85	9720-9	PCB ARTICLE CONTAINS
85-S-006	YES	4 PCB CAP YELLOW	UNICHOLIN	90	02/15/85	9720-9	PCS ARTICLE CONTAINE
86-S-096	YES	PCB PIPE	UNICHOUN	147	03/13/86	9720-9	PCB ARTICLE CONTAINS
87-5-001	YES	LIGHT BALLASTS	UNICHOLIN	125	12/10/86	9720-9	PCB ARTICLE CONTAINS
87-S-002	YES	LIGHT BALLASTS	UNICHOUN	125	12/10/86	9720-9	PCB ARTICLE CONTAINS
87-5-046	YES	HYARDSYSTEM PARTS	UNIXIOLIN	104	05/21/87	9720-9	PCB ARTICLE CONTAIN
87-S-065	YES	PCS HYARDEQUIP.	UNKNOWN	113	06/04/87	9720-9	PCB ARTICLE CONTAIN
87-5-081	YES	PCB HYARDEGUIP.	UNIXIOUN	99	06/04/87		PCB ARTICLE CONTAIN
87-S-084	YES	1 PCB CAP. NO TAG	UNICIOUN	150	04/28/87	9720-9	PCB ARTICLE CONTAIN
87-S-147	YES	U CONT. PIPING	UNICHOLIN	68	07/27/87	9720-9	PCB ARTICLE CONTAIN
87-S-148	YES	U CONT. PIPING	UNICHOUN	43	02/27/87	9720-9	PCB ARTICLE CONTAINS
87-5-149	YES	U CONT. PIPING	UNICHOUN	102	07/27/87	9720-9	PCS ARTICLE CONTAIN
87-S-150	YES	U CONT. PIPING	UNICIOUN	158	05/27/87		PCB ARTICLE CONTAIN:
87-S-151	YES	U CONT. PIPING	UNICHOUN	117	05/27/87	9720-9	PCS ARTICLE CONTAINS
87-S-152	YES	U CONT. PIPING	UNICHOUN	120	07/27/87	9720-9	PCB ARTICLE CONTAIN.
87-S-153	YES	U CONT. PIPING	UNICHOUN	150	07/27/87	9720-9	PCS ARTICLE CONTAIN:
87-s-154	YES	U CONT. PIPING	UNICHOLIN	52	07/27/87	9720-9	PCB ARTICLE CONTAIN.
87-S-155	YES	U CONT. PIPING	UNKNOWN	43	07/27/87	9720-9	PCS ARTICLE CONTAIN
87-S-156	YES	U CONT. PIPING	UNKNOWN	124	07/20/87		PCB ARTICLE CONTAIN
88-S-001	YES	LIGHTING BALLASTS	UNICHOUN	150	01/11/88		PCB ARTICLE CONTAIN
88-5-002	YES	PCB BALLAST-BLUE TAG	UNKNOWN	100	03/03/88		PCB ARTICLE CONTAIN

TOTAL ARTICLE CONTAINERS.... 4,312

# APPENDIX E

EXAMPLE OF WTSD ANNUAL PCB WASTE GENERATED REPORT.

# APPENDIX E

# EXAMPLE OF WTSD ANNUAL PCB WASTE GENERATED REPORT

C.2 PCB WASTE GENERATED FROM JANUARY 1, 1989, TO FEBRUARY 5, 1990

# C.2.1 Drummed PCB Liquid And Solid Wastes

	~~		CONTENTS	PCB LEVEL		DATE	STORAGE	WASTE
XEV ID 8	00 10 1	-	DESCRIPTION	(PPH)	(KES)	STORED	LOCATION	CATEGORY
01033273		MO	PCE LIQUID DRUM	ASK	273	03/21/89	LINE YARD	PCS LIQUID
01033273		MO	PCB LIQUID DRUM	ASK	273	03/21/89	LINE YARD	PCE LIQUID
01033273		110	PCB LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01033273		MG	PCS LIQUID DRUM	ASK	273		LINE YARD	PCE LIQUID
01C33273 01C33273		MO MO	PCE LIQUID DRUM	ASK	273		LIKE YARD	PCB LIQUID
01033273		MO	PCB LIQUID DRUM	ASK ASK	273 273		LIKE YARD	PCB LIQUID
01033273		WO	PCE LIQUID DRUM	ASK '	273 273		LINE TARD	PCB LIQUID PCB LIQUID
01033273		ж	PCS LIQUID DRUM	ASK	273		LINE YARD	POR LIQUID
01033273		MO	PCS LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01033273		MO	PCB LIQUID DRUM	ASK	273		LINE YARD	PCS LIQUID
01533273		MO	PCB LIQUID DRUM	ASK	273		LINE YARD	POS LIQUID
01033273		30	PCB LIQUID DRUM	ASK	273		LIKE YARD .	PCB LIQUID
01C33273 01C33273		MO MO	PCE LIQUID DRUM	ASK ASK	273		LIKE YARD	PCB LIQUID
01033273		110	PCB LIQUID DRUM	ASK	273 273		LIKE YARD	PCS LIQUID
01033273		MO	PCE LIQUID DRUM .	ASK	273		LINE YARD	PCS LIQUID
01033273		MO	PCB LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01033273		MO	PCE LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01033273		Ж	PCE LIQUID DRUM	ASK	273	03/21/89	LIKE TARD	PCE LIQUID
01633273		110	PCE LIQUID DRUM	ASK	273		LINE TARD	POR LIQUID
01C33273 01C33273		MO	PCB LIQUID DRUM PCB LIQUID DRUM	ASK	273		LIKE YARD	PCE LIQUID
01033273		<b>X</b> 0	PCB LIQUID DRUM	ASK ASK	273 273		LINE YARD	PCE LIQUID
01033273		100	PCB LIQUID DRUM	ASK	273		LINE YARD	POR LIQUID POR LIQUID
01033273		ж	PCE LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01033273		MC	PCE LIQUID DRUM	ASK	273		LIKE YARD	PCB LIQUID
01033273		Ю	PCB LIQUID DRUK	ASK	273		LINE YARD	PCE LIQUID
01033273		ж	PCE LIQUID DRIM	ASK	273		LINE YARD	PCB LIQUID
01C33273 01C33273		MO	PCS LIQUID DRUM	ASK	273		LIKE YARD	PCB LIQUID
01033273		XO	PCE LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01033273		NO.	PCB LIQUID DRUM	ASK ASK	273 273		LIKE YARD	PCS LIQUID PCS LIQUID
01033273		NC	PCB LIQUID DRUM	ASK	273		LIKE YARD	PCS LIQUID
01033273		ж	PCB LIQUID DRUM	ASK	273		LINE YARD	PCS LIQUID
01633273		MO	PCB LIQUID DRUM	ASK	273		LINE TARD	PCB LIGUID
01033273		NO.	PCE LIQUID DRUM	ASK	273		LINE YARD	PCE LIQUID
01633273		ж	PCE LIQUID DRUK	ASK	273		LINE YARD	PCB LIQUID
01 <b>c</b> 33273 01 <b>c</b> 33273		MO MO	PCB LIQUID DRUM	ASK ASK	273		LINE YARD	PCB LIQUID
01033273		×0	PCS LIQUID DRUM	ASK	273 273		LINE YARD	PCS LIQUID
01C33273		MQ	PCB LIQUID DRUM	ÄSK	273		LINE YARD	POR LIQUID
01033273		MO	PCB LIQUID DRUM	ASK	273		LINE YARD	PCS LIQUID
01033273		MO	PCB LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01633273		Ж	PCE LIQUID DRUM .	ASK	273	03/21/89	LINE TARD	PCE LIQUID
01633273		MO	PCE LIQUID DRUM	ASK	273		LINE YARD	SCR FIGNID
01 <b>c</b> 33273 01 <b>c</b> 33273		MO MO	PCB LIQUID DRUM PCB LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01633273		Ж	PCE LIQUID DRUM	ASK ASK	273 273		LINE YARD	PCE LIQUID
01033273		ю	PCS LIQUID DRUM	ASK	273		LINE YARD	PCE LIQUID
01033273		MO	PCS LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01033273		MG	PCE LIQUID DRUM	ASK	273		LINE YARD	PCB LIQUID
01033273		MO	PCB LIQUID DRUM	ASK	273		LIKE YARD	PCB LIQUID
01633273		100	PCE LIQUID DEUM	ASK	273		LINE YARD	PCB LIQUID
01C33273 05C41289		MC3	PCE LIQUID DRUM PCE LIQUID	. 45%	273		LIKE YARD	PCE LIQUID
05041289		110	POR LIQUID	ASK ASK	268		LIKE YARD	PCB LIQUID
05041289		10	PCB LIQUID	ASK	268 268		FLINE YARD	POS LIQUID
05641289		ж	PCS LIQUID	ASK	268		LINE YARD	PCS LIQUID
05041289		NO	PCE LIQUID	ASK	268		LINE YARD	PCB LIQUID
				-		,,		

## C.2.2 Bulk PCB Wastes

STORAGE TANK	RAD CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPM)	(KCZ) KYZZ	DATE STORED
***		Mary and Honor	-£	11 077	
009-F5	Xo	Kisc. Oil and Water	>500	11,713	01/89 - 06/89
∞9-F4	Yes	Misc. Oil and Water	>500	59,683	01/89 - 06/89
009-F4 ·	Yes	Misc. Oil and Water	>500	51,428	06/89 - 02/90
009-F1	Yes	Misc. Oil and Water	>500	21,429	01/89 - 06/89
009-F1	Yes	Nisc. Oil and Water	>500	81,746	06/89 - 02/90
9418-09	No	Misc. PCS OIL	160	2,000	01/89 - 06/89
9418-09	Ko	Misc. PCB Oil	290	30,583	06/89 - 02/90

STORAGE LOCATION	RAD CONTENT	CONTENTS DESCRIPTION	PCS LEVE (PPH)	(KGS)	DATE
Oil Landfarm Storage Facility	YES	Soil from Remodial Actions in Oil Landfarm Areas	100 to 1700	171,429	01/89 and 02/89
Disposal Area Remedial Action Solid Storage Facility	YES	Soil from Remedial Actions in Bear Creek Burial Grounds, Ponds and Seep areas	<50 to 12,000	4,704,490	08/89 to 11/89

TOTAL BULK SOLIDS .... 4,875,919

 $<sup>^{4}</sup>$  87,600 kg of PCB liquid was added to OD9 tanks when OD4-W & OD4-M were emptied and dismantled.

### C.2.3 Miscellaneous Equipment

C.2.3.a PCB articles

NEW ID #		CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPK)	(KGE)	DATE STORED	STORAGE LOCATION	WASTE CATEGORY
110001		110	TRANSITION TANK	67 ·	226	11/27/89		PCB ARTICLE
110002		ж	TRANSITION TANK	67	226	11/27/89		PCB ARTICLE
.,,,,,,,	13486		POLE TRANSFORMER	<20	428		LINE YARD	PCB ARTICLE
	28729		TRANSFORMER	710	453	09/29/89		PCB ARTICLE
	28729		TRANSFORMER	500	907	09/29/89		PCB ARTICLE
	28729	MQ	TRANSFORMER	- 550	45	09/29/89	WETSA -	PCB ARTICLE '
	29153	MG	CIRCUIT BREAKER	160	181	01/06/89	WETSA	POR ARTICLE
	29153	MO	CIRCUIT BREAKER	140	181			PCB ARTICLE
	29153	HO	CIRCUIT BREAKER	<50	181 181 181 181 181	01/06/89	WETSA	PCS ARTICLE
	29153	NG	CIRCUIT BREAKER	<50 79 94 30	181	01/06/89	WETSA	PCB ARTICLE
	29153	MO	CIRCUIT BREAKER	%	181	01/06/89		PCB ARTICLE
	29153	MC	CIRCUIT BREAKER	30	181	01/06/89		PCB ARTICLE
	29153		CIRCUIT BREAKER	160	181	01/06/69		PCB ARTICLE
	29153		CIRCUIT BREAKER	120	181	01/06/89		PCB ARTICLE
	29153		CIRCUIT BREAKER	120	181	01/06/89		PCB ARTICLE
	29153		CIRCUIT BREAKER	170	181	01/06/89	VETSA	PCB ARTICLE
	29153		CIRCUIT BREAKER	<50	181	01/06/89	VETSA	PCB ARTICLE
	5238		TRANSFORMER	61	1,866	09/14/89	LINE YARD	
	5240	ЖО	POLE TRANSFORMER	DRY	34	09/14/89	LINE YARD	PCB ARTICLE
	5241		POLE TRANSFORMER	DRY	62	09/14/89	LINE YARD	
	5242		POLE TRANSFORMER TRANSFORMER		<u>~</u>	09/14/69	LINE YARD	PCB ARTICLE PCB ARTICLE
	5244 5245	MC MC	TRANSFORMER	DRY DRY S ORY ORY 1770 S INT ASK	79	00/14/09	LINE YARD	PCS ARTICLE
	5247	MC.	TRANSFORMER	170	795	09/14/07	WETSA	PCS ARTICLE
	5250	110		<32	734	09/14/89	LINE YARD	PCB ARTICLE
06028308			TRANSFORMER	IKT	16.780	02/08/89	LINE YARD	
08C26543				ASK	2,460	01/01/89	LINE YARD	
08028218		NO	TRANSFORMER TRANSFORMER	INT	226	02/08/89	LINE YARD	
10026542			TRANSFORMER	ASK	3,095		LINE YARD	
11026541		Ж	TRANSFORMER	ASSC	4,190	01/01/89	LINE YARD	PCE ARTICLE
11037466		MO	TRANSFORMER	ASK	2,324	04/24/89	LINE YARD	PCB ARTICLE
13026545			TRANSFORMER	ASK	3,117		LINE YARD	
13034030		ж	TRANSFORMER	ASK	2,358	03/21/89	LINE YARD	PCB ARTICLE
13042026			TRANSFORMER	· ASK	925	06/29/89	LIKE YARD	POS ARTICLE
14041848			TRANSFORMER	ASK	931	06/29/89	P LINE YARD	PCB ARTICLE
18028206			•	ASK	226	02/01/89	LINE YARD	PCB ARTICLE
20039975		MO	TRANSFORMER	ASK	6,641	05/18/89	LINE YARD	PCS ARTICLE
21028204		Ж		INT	17,668	02/01/89	LINE TARD	PCE ARTICLE
21041844		ж	TRANSFORMER	ASK ASK INT ASK 5 630 84 15 17 49	907	06/29/8		
25057647	15392	MO.		(70	181	01/06/8	VETSA	PCB ARTICLE
25057647	15397 15397	Ю	CIRCUIT BREAKER	030	101	V3/24/8	P VETSA	PCB ARTICLE PCB ARTICLE
25057647	15397	NO.	CIRCUIT BREAKER CIRCUIT BREAKER	15	101	V3/24/6	VETSA	PCS ARTICLE
25057647 25057647	15397	10 10	CIRCUIT BREAKER	17	101	V3/24/6	9 VETSA 9 VETSA	PCE ARTICLE
25057647	15397	ж	CIRCUIT BREAKER	11	181	05/24/6	9 VETSA	PCS ARTICLE
25057647	15397	ж	CIRCUIT BREAKER	27	181	05/24/6	9 VETSA	PCB ARTICLE
25057647	15397	ж	CIRCUIT BREAKER	5	181		9 VETSA	PCB ARTICLE
250580	13482	ж	POLE TRANSFORMER	<120	720		P LINE YARD	PCS ARTICLE
250580	13483	Ю	POLE TRANSFORMER	<120 <50 <2	624	00/1//#	9 LINE YARD	PCS ARTICLE
250580	13484	ж	POLE TRANSFORMER	42	624	09/14/8	9 LINE YARD	PCS ARTICLE
250580	13485	NO	POLE TRANSFORMER	र ठ ४ ४ ४ ४१ ११०	624	09/15/8	9 LINE YARD	PCS ARTICLE
250580	13487	MO	POLE TRANSFORMER	4	428	09/15/8	9 LIKE YARD	PCE ARTICLE
250580 11	13488	MO	POLE TRANSFORMER	44	425	09/15/8	9 LINE TARD	PCE ARTICLE
250580	13489	HO	POLE TRANSFORMER	<26	3	09/15/8	9 LINE YARD	
250580	13490-1	MO	CIRCUIT BREAKER	<81	181	09/15/8	9 LINE YARD	PCB ARTICLE
250580	13490-2		CIRCUIT BREAKER	<110	181	09/15/8	9 LINE YARD	PCB ARTICLE
250580	13490-3		CIRCUIT BREAKER	<110 <88	151	09/15/8	9 LINE YARD	
250580	13490-4		CIRCUIT BREAKER	<88	181		P LINE YARD	
250580	5239	MO	POLE TRANSFORMER	<2 ′	32	09/14/8	9 LINE YARD	PCB ARTICLE

C.2.3.b PCB article containers

NEW ID #	~n in #		CONTENTS DESCRIPTION	PCB LEVEL (PPM)	(KGS)	DATE . STORED	STORAGE LOCATION	WASTE CATEGORY
ALM ID			**************************************	(FFR)	(100)	31000	EUCH TON	CATEBORT
	89/5/017	WO	8 CAPACITORS	UNIXHOLM	181	09/29/89	9404-7	PCS ARTICLE CONTAIN
CS-005	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	YES	N-2 PUMP #261	UNICHOLAN	102	01/26/90		PCS ARTICLE CONTAIN
CS-022	026733	YES	METAL.PIPE	UNIXIOLAL	126	03/27/89	9720-9	PCS ARTICLE CONTAIN
CS-023		YES	METAL, PIPE	UNICHOUN	124	03/27/89		PCS ARTICLE CONTAINS
CS-024	026733	YES	PIPE	UNICHOUN	158	03/27/89		PCS ARTICLE CONTAINS
CS-025	026733	YES	PIPE	UNIONOLIN	136	03/27/89	9720-9	PCB ARTICLE CONTAINS
CS-026	026733	YES	PIPE	UNICKCLIN	172	03/27/89	9720-9	PCB ARTICLE CONTAINE
CS-027	026733	YES	PIPE	UNICHOLAN	147	03/27/89	9720-9	PCB ARTICLE CONTAINS
CS-025	026733	YES	PIPE	UNIONOLIN	99	03/27/89	9720-9	PCS ARTICLE CONTAINS
CZ-029	026733	YES	PIPE VALVES	UNIOXOLAK	79	03/27/89	9720-9	PCB ARTICLE CONTAINS
CS-030	026733	YES	PIPE VALVES	UNICHION	138	03/27/89	9720-9	PCB ARTICLE CONTAINE
cs-031	026733	YES.	PIPE VALVES .	UNIXIONAL	136	03/27/89	9720-9	PCB ARTICLE CONTAINS
CS-032	026733	YES	PIPE VALVES	UNIOIOLAI	113	03/27/89	9720-9	PCB ARTICLE CONTAINE
CZ-033	026733	YES	PIPE,HOSE	UNICHOUN	102	03/27/89	9720-9	PCS ARTICLE CONTAINE
CS-034	026735	YES	METAL, PIPE	UNICHOUN	122	04/11/89	9720-9	PCB ARTICLE CONTAINE
CS-035	031202	YES	NETAL, PIPE	UNICHOUN	129	04/19/89	9720-9	PCS ARTICLE CONTAINS
NS-110	017917	YES	TRANSFORMERS	UNICHOLIN	138	02/22/89	9720-9	PCB ARTICLE CONTAINS
KS-118	026733	YES	PIPING	UNICHOUN	133	03/27/89	9720-9	PCB ARTICLE CONTAINE
XS-119	026734	YES	PCB PIPING	UNICHOUN	566	04/04/89	9720-9	PCS ARTICLE CONTAINS
KS-120	026734	YES	PCB PIPING	UNICHOUN	1,455	04/04/89	9720-9	PCS ARTICLE CONTAINS
NS-121	026734	YE\$	PCB PIPING	UNICHOLIN	680	04/04/89	9720-9	PCB ARTICLE CONTAINS
xs-143	069210	YES	CAPACITORS	UNKNOWN	104	03/02/89		PCS ARTICLE CONTAINS
WTSD-89-0277			RUBBER HOSE & FITTINGS	UNICHOUN	83	01/20/89		PCB ARTICLE CONTAINS
WTSD-89-0277			RUBBER HOSE & FITTINGS	UNICHOUN	86	01/20/89		PCB ARTICLE CONTAINE
WTSD-89-0277	<del> </del>		RUBBER HOSE & FITTINGS	UNIXIOLIN	95	01/20/89		PCB ARTICLE CONTAINS
¥TSD-89-0277	00034272	YES	RUBBER HOSE & FITTINGS	UNICHOUN	79	01/20/89	9404-7	PCB ARTICLE CONTAINS

TOTAL ARTICLE CONTAINERS.... 5,483

# APPENDIX F EXAMPLE OF WTSD ANNUAL WASTE SHIPPED REPORT

### APPENDIX F

## EXAMPLE OF WTSD ANNUAL WASTE SHIPPED REPORT

C.3 PCB WASTE SHIPPED FOR DISPOSAL FROM JANUARY 1, 1989, TO FEBRUARY 5, 195

C.3.1 Drummed PCB Liquid And Solid Wastes

C.3.1 Drummed	a PCE	Didate we a						W.W. FEFT		DISPOS
	RAD	CONTENTS	PCB LEVEL (PPK)	(KGS)	DATE	STORAGE LOCATION	DATE SHIPPED	KAN1 FEST KANSER		DATE
HER ID & OLD ID &	CONT	DESCRIPTION	***************************************	-	-	************	07 /21 /90	16380	APTUS	12/26/
REPRESENTATION OF THE PERSON NAMED IN	110	PCB LIQUID DRUM	ASK.	273	03/21/89	LINE YARD	03/21/07	16320	APTUS	
01033273	14O	POE LIQUID DEUM	ASK.	273	03/21/51	LINE TARD	03/21/89	16380		12/26/
01033273	MO	PCE LIQUID DRUM	ASK.	273	03/21/51	LIKE YARD		16380	<b>ZUTEL</b>	12/26/
01033273	)KO	PCS LIQUID DRUM	ASK.	273	03/21/5	LINE YARD		16380		12/26/
01033273	) NO	PCB LIQUID DRUM	ASK.	273	03/21/5	LINE TARD	03/21/89	16380		12/25/
01653273	.~ ¥0	PCS LIQUID DELM	ASK.	273	03/21/6	FINE YARD		9 16380		12/26/
01033273	200	POR LIQUID DRUM	ASK.	273	03/21/0	9 LINE YARD	03/21/8	9 16320		12/26/
01033273	)KG	PCS LIQUID DRUM	ASK.	273	03/21/0	9 LINE YARD	03/21/8	9 16380		12/26/
01033273	10	PCE LIQUID DRUM	ASK.	273	AT /21 /5	O I INF YARD	03/21/8	9 16380	aptus	12/26/
01033273	ж	PCE LIQUID DRUM	ASK.	273 273	03/21/8	P LIKE YARD	03/21/8	9 16380		12/26/
01C33273 01C33273	WO	PCB LIQUID DRUM	ASK.	273	03/21/8	P LINE TAR	03/21/0	שבבםו עו		12/26/
01033273	NG	POR LIGUID DRUM	YZZ.	273	03/21/8	9 LINE TARE	03/21/8	9 16320		12/26/
01033273	MO	POR LIQUID DRUM	ASK.	273	03/21/	9 LINE YAR	03/21/8	9 16320	<b>LPTUS</b>	12/26/
01033273	HO	PCE LIGUID DELM	ask. Ask.	273	03/21/	19 LIKE YAR	03/21/2	16380		12/26/-
01@3273	MO	POR LIQUID DRUM	ASK.	273	03/21/	59 LIKE TAK	03/21/0	9 16320		12/26/- 12/26/
01033273	WO	PCE LIQUID DELE	ASK.		03/21/	99 LIKE YAR	03/21/0	9 16380		12/26/
01033273	MO	PCE LIGUID DRUM	ASK.		03/21/	89 LINE YAR	03/21/	9 16380		12/26/
01633273	MO	PCE LIQUID DRUM	ASK.		03/21/	89 LIKE YAR	03/21/	89 16380		12/26/
01033273	Ж	PCB LIQUID DRUM PCB LIQUID DRUM	ASK.		03/21/	89 LINE YAX	0 03/21/	89 16380 89 16380		12/26/
01@33273	ж		ASK.		03/21/	89 LINE YAR		89 163BD	APTLE	12/26/
01033273	10	PCB LIQUID DRUM	ASK.		03/21/	89 LINE YAR		89 16380	APTU	s 12/26/
01C33273	MO		ASK.		03/21/	89 LIKE YA		89 16380		s 12/26/
01033273	MG MG		ASK.		03/21/	89 LINE YA		89 16380	APTU	s 12/26/
01033273	)K		ASK.		03/21/	/89 LINE YAI /89 LINE YAI		789 16380		5 12/26/
01033273	~ ₩0		ASK.		03/21	189 LINE YA	m 03/21	/89 16380		is 12/26/
01033273	ж	PCE LIQUID DRUM	ASK.		03/21	189 LIKE YA	m 03/21	/89 16380		rs 12/26/
01033273	100	POR LIQUID DRUM	ASK.		03/21	/89 LINE YA	en 03/21	/89 16380		rs 12/26/
01C33273 01C33273	100		ASK		03/21	/89 LINE YA	n 03/21	/89 16380		12/26/
0153273	ж		ASK	•	03/21	/89 LINE YA	m 03/21	/89 16380		us 12/26/
01533273	)MC		YZX		03/21	/89 LINE YA	. <b>20</b> 03/21	/89 16380	JPΠ	us 12/26/ us 12/26/
01033273	Ж	POS LIQUID DRUM	ASX		03/2	1/89 LINE YA	<b>300</b> 03/21	/89 16380		us 12/26/
01033273	340	POR LIQUID DRUM	ASX		3/2	1/89 LINE Y	UED 03/21	/89 16380		us 12/26/
01033273	M		ASI		03/2	1/89 LIKE Y	UED 03/21	/89 16380		us 12/26/
01033273	*	PCE LIQUID DEUM	A51		3 03/2	1/89 LINE Y	USO 03/2	1/89 16380		us 12/26/
01033273	<b>)</b>		ASI	27.	3 03/2	1/89 LINE Y		1/89 16380		US 12/26/
01033273	10		ASI		3 03/2	1/89 LINE Y		1/89 16380 1/89 16380		rus 12/26/
01033273	М		ASI		3 03/2	1/89 LINE Y	MG W3/2	1/89 16380		rus 12/26/
01¢33273		O POS LIQUID DRUM	AS	K. 27	3 03/2	1/89 LINE Y		1/89 16380		TUS 12/26/
01C33273	•	O POS LIQUID DRUM	AS	K. ' 27	3 03/2	1/89 LINE Y		1/89 16380	1 17	TUS 12/26/
01033273		O POR LIQUID DRUM	AS			1/89 LINE 1 1/89 LINE 1	480 03/2	21/89 163 <b>8</b> 4	) AF	TUS 12/26/
01033273		O. POR FIGUID DECIM	AS		2 02/0	1/89 LINE	APO 03/2	21/89 1638	, ~	TUS 12/26/
01033273		O POBLICUID DRUM	'AS		75 03/7 75 03/7	21/89 LINE				TUS 12/26/
01C33273 01C33273		O POBLICUID DRUM	AS AS		73 03/	21/89 LINE	raen 03/2	21/89 1638	א פ	TUS 12/26/
01¢33273		NO POR LIQUID DRUM			73 03/	21/89 LINE	7ARD 03/3	21/89 1638	, A	TUS 12/26/
01633273		NO POS LIQUID DRUM		-	73 03/	21/89 LIXE	YAND 03/	21/89 1638		TUS 12/26/
01633273		NO POR LIQUID DRUM			73 03/	21/89 LIXE	TARD 03/	21/89 1638		TUS 12/26/
01533273		NO PCE LIQUID DRUM			73 03/	21/89 LINE	YARD 03/	21/89 163		TUS 12/26,
01033273					73 03/	21/89 LIXE		21/89 163 21/89 163		PTUS 12/26/
01033273			• •	sx. ?	73 03/	21/89 LIXE	AND COV	721/89 1634 721/89 1634		PTUS 12/26/
01033273				sk. a	273 03,	21/89 LINE		/21/89 163	10 A	PTUS 12/26,
01033273		NO POR LIQUID DRUM			273 03,	21/89 LINE		/21/89 163	10 A	PTUS 12/26/
01033273		NO POS LIQUID DRUM	,		273 03.	/21/89 LINE		126/89 045	י פו	PTUS 03/07,
01633273		NO POR LIGUID			268 04	/26/89 LIXE	VARO 04	126/89 045	LD /	PTUS 03/07/
05041289		NO POR LIQUID			268 04	/26/89 LINE /26/89 LINE		126/89 045	י בט	PTUS 03/07/
05641289		NO POS LIQUID			268 04	/26/89 LINE		126/89 045	LD /	UPTUS 03/07/
05641289		NO PCE LIQUID		ASK.	268 04	140/04 FINE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
05041289										

C.3.2 Bulk PCB Waste

STORAGE RAD LOCATION CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPK)	(KCZ)	DATE STORED	DATE SHIPPED	XANTFEST KAMBER	DESTINATION	DATE OF DISPOSAL
	Waste PCS Oil & Water	1340	18,031	10/88	08/09/89	IL-04117364	CLAN Chemical Services	08/15/89
00-9-F5 NO	Waste PCS Oil & Water		16,626				CLM Chemical Services	
00-9-F5 NO	Vaste PCS Oil & Water	1340	18.821				CLM Chemical Services	
00-9-F5 NO	Waste PCS Oil & Water	1340	19.184				CLM Chemical Services	
00-9-F5 NO	Waste PCE DIL & Mater		.,,				CLM Chamical Services	
00-9-F5 NO	Waste PCS Oil & Water		0				CAR Chemical Services	
00-9-F5 NO			0				CLM Chemical Services	
00-9-F5 NO	Waste PCE OIL & Water	1340	18,694				CLAN Chemical Services	
00-9-F5 NO	Waste PCS Oil & Water	160	9,270				CAN Chemical Services	
9418-09 NO	Waste PCS Oil		12,907				CAN Chemical Services	
9418-09 NO	Waste PCS Oil	160	12,798				CAN Chemical Service	
9418-09 NO	Vaste PCE Oil	160 290	16,18			7 TH-00019	EXSCO	12/31/89
9418-09 WO	Waste PCS Oil		12.36			7 TN-00020	EXSCO	12/31/89
9418-09 NO	Waste PCE Off	290	- • -				S CLAN Chemical Service	s 08/19/89
00-9-F5 NO	Waste PCE Oil	1340	17,28				CLAN Chemical Service	
00-9-F5 NO	Waste PCS Oil	1340	17.01	6 10/88	00/13/0	, 15-0411130	,	

TOTAL BULK LIQUIDS.... 189,179

<sup>5</sup> Wastes were not destroyed, but returned to Y-12 while CAM disposed of dike waters at their facility.

## C.3.3 Miscellaneous Equipment

C.3.3.a PCB articles

			CONTENTS	PCB LEVEL	ZZXX	DATE	STORAGE	DATE	<b>XXX1FEST</b>		DISPOS
		RUD 	DESCRIPTION	(PPM)	(KGS).	STORED	LOCATION	SHIPPED	KINBER	DEST	DATE
NEW ID # C		CONT	DESCRIPTION	********	-	-	********	*****	********		
CHESTON SI		قدندي		•							
			POLE TRANSFORMER	DRY	62	09/14/89	LINE YARD	11/28/89	TH-00018	EXSCO	02/01/
	5241	Ю		DRY	34		LINE YARD	11/28/89	TH-00018	EXSCO	02/01/
	5240	Ж	POLE TRANSFORMER	٠.٠ دع	86		LINE YARD	11/28/89	TN-00018	EXSCO	02/01/
	5242	WG	POLE TRANSFORMER	DRY	79		LINE YARD	11/28/89	TN-00018	EXSCO	02/01/
	5244	ж	TRANSFORMER	DRY	79		LINE YARD	11/28/89	TH-00018	EXSCO	02/01/
	5245	ЖО	TRANSFORMER	61	1866		LINE YARD	11/28/89	TN-00018	ENSCO	02/01/
	5238	МО	TRANSFORMER	<20	428		LINE YARD	11/28/89	TN-00018	ENSCO	02/01/
	13486	МО	POLE TRANSFORMER	32	736	-	LINE YARD	11/28/89	TH-00018	ENSCO	02/01/
	5250	жо	POLE TRANSFORMER	160	181	01/06/89		11/28/8	TH-00017	EXSCO	PENDIN.
	29153	MO	CIRCUIT BREAKER	140	181	01/06/89		11/28/8	9 TH-00017	ENSCO	PEKDIK.
	29153	KO	CIRCUIT BREAKER	<50	181	01/06/89		11/28/8	9 TN-00017	EXISCO	PENDIN.
	29153	MC	CIRCUIT BREAKER	79	181	01/06/8			9 TN-00017		PENDIN
	29153	NO.	CIRCUIT BREAKER	94	181	01/06/8		11/28/8	9 TH-00017	ENSCO	PENDIN
	29153	ЖО	CIRCUIT BREAKER	30	181	01/06/8		11/28/8	9 TH-00017	EXSCO	PENDIN
	29153	MO	CIRCUIT BREAKER	160	181	01/06/8			9 TH-00017		
	29153	MO	CIRCUIT BREAKER	120	181	01/06/8			9 TH-00017		PENDIN
	29153	МО	CIRCUIT BREAKER	120	181		9 WETSA	-	9 TH-00017		PENDIN
	29153	MO	CIRCUIT BREAKER	170	181		9 VETSA		9 TH-00017		PENDIN
	29153	Ю	CIRCUIT BREAKER		385		9 WETSA		9 TH-00017		PENDIN
	5247	MO.	TRANSFORKER	170 67	226	-	9 VETSA		9 TH-00017		PENDIN
	170001	Ж	TRANSITION TANK		226		9 VETSA		59 TH-00017		PENDIN
	110001	KO	TRANSITION TANK	67			9 VETSA		89 TH-0001		PENDIN
	29153	ж	CIRCUIT BREAKER	<50	181		BY WETSA		89 TH-0001		PENDIN
	28 <b>729</b>	ж	TRANSFORKER	710	453		BY VETSA		89 TH-0001		PENDIN
	28729	MO	TRANSFORMER	500	907		89 WETSA		89 TH-0001		PENDIN
	28729	XO	TRANSFORMER	550	45		89 LINE YAR		89 15980	APTU:	
06C28308		жо	TRANSFORMER	INT.	16780		89 LINE YAR		89 40730	APTU	5 02/23/
08026543		NO	TRANSFORMER	ASK.			89 LINE YAR		89 15580	APTU	100/20 2
08028218		жо	TRANSFORKER	INT	226		89 LINE YAR		89 407JD	APTU	s 02/23/
10026542		МО	TRANSFORMER	ASK.			89 LINE YAR		89 40730	APTU	s 02/23/
11026541		NO.	TRANSFORMER	ASK.			89 LINE YAR		189 0471.0	APTU	s 05/17/
11037466	•	ж	TRANSFORMER	ASK.		- •	89 LINE YAS		/89 407JD	APTU	s 02/23/
13026545		ж	TRANSFORMER	ASK.			89 LINE YA		/89 15280		140140 2
13034030	1	М	TRANSFORMER	ASK			/89 LINE YA		/89 684MM	APTL	S 08/14/
13042026	•	МО	TRANSFORMER	ASK			189 LIKE YA		/89 68444	APTL	S 08/14/
14041848	3	MG	- TRANSFORMER	ASK	-		/89 LIXE YA		/89 15680	APTL	15 03/08/
18028206	<b>5</b>	ж	TRANSFORMER	ASK			/89 LINE YA		/89 048LD	APTI	
20039975	5	MO		ASK			-		/89 15680	APTI	rs 03/08/
21028204	•	ж		INT			/89 LINE TA		/89 684104	APTI	US 08/14/
21041844	•	МО		ASK			/89 LIKE YA		/89 TH-000		
2505764	7 15392	М		5	181		/89 VETSA	11/60	/89 TH-000		
2505764		MO		630			/89 VETSA		789 TH-000		
2505764		MO		84	181		/89 VETSA		3/89 TH=000		
2505764		MC		15	181		/89 VETSA	11/2	3/89 TH-000	17 EXS	
2505764		MC		17	181		/89 VETSA		8/89 TH-000		
2505764		ж	CIRCUIT BREAKER	49	181		1/89 WETSA	11/4	8/89 TH-000		
2505761		ж	CIRCUIT BREAKER	27	18	1 05/2	6/89 WETSA	11/2	D/07 18-00	,,, LM4	

### C.3.3.b PCB articles containers

NEW ID #	OLD ID #		CONTENTS DESCRIPTION	PCB LEVEL (PPN)		DATE STORED	STORAGE LOCATION		MANIFEST MANGER	DEST	DISPOSJ DATE
	-									-	
	89/\$/017	ж	-8 CAPACITORS	UNICHOLIN	181	09/29/89	9404-7	11/27/89	TH-00015	EXSCO	01/22/5

TOTAL ARTICLE CONTAINERS.... 181

# APPENDIX G EXAMPLE OF WTSD ANNUAL ENDING PCB WASTE INVENTORY

### APPENDIX G

## EXAMPLE OF WTSD ANNUAL ENDING PCB WASTE INVENTORY

## C.4 ENDING PCB WASTE INVENTORY AS OF FEBRUARY 5, 1990

## C.4.1 Drummed PCB Liquid And Solid Wastes

	RAD CONT	TENTS	PCS LEVEL	XXSS	DATE	STORAGE	WASTE
XEW ID #	OLD ID & CONT DEST	CRIPTION	(PPR)	(KGS)	STORED	LOCATION	CATEGORY
***************************************	-		UKIOKOW	161	03/30/87		PCB LIQUID
A25551	011834 YES OIL		UNIDION	190	02/14/89		PCS LIQUID
127166		WATER BUILD UP	500	192	09/09/89		PCE LIQUID
A27528	YES LIG		UNICHOLAN	185	08/23/89		PCS LIQUID
A27719	029142 YES LIG		1650	195	09/09/89		PCB LIQUID
A27722	YES LIG		584	. 174	09/09/89		POR LIQUID
127724	YES LIG		50	181	09/09/89		POR LIQUID
A27780		MID	61	140	04/11/88		PCS LIQUID
A29380	V	RAULIC DIL	UNICHOLM	188	02/16/90		PCS LIQUID
A29381	87-L-057 YES OIL	-	UNIXIONAL	172	04/10/87		POR LIQUID
A29390	87-L-024 YES OIL	<del>-</del>	63	192	04/11/85		PCE LICUID
A29391		DRAULIC OIL	12	181	02/16/90		PCE LIQUID
A29392	09031 YES OII		2	147		9720-9	PCE LIQUID
A29417		OUID(DRUK)	. 3	174		9720-9	POS LIQUID
129448		EAN-UP WATER	, JUNIOUM	181		9720-9	POR LIQUID
129449	• • • • • • • • • • • • • • • • • • • •	EAK-UP WATER (9204-4)	UNIDIONAL	192		8 9720-9	PCB LIQUID
A29450	0, 6 000 100 11	EAN-UP WATER	UNIDION	197		8 9720-9	PCB LIQUID
A29451	0,00 001 122	EAX-UP WATER	14	188		8 9720-9	PCS LIQUID
A29457	0,0.5	KERAL OIL	5	149		8 9720-9	POR LIQUID
129458	000.00	DRAULIC OIL	ಕ	154		8 9720-9	POR LIQUID
A29459		DRAULIC DIL	25	190		0 9720-9	PCE LIQUID
A29460	***	ATER, OIL	10	167		0 9720-9	PCB LIQUID
A29461	0,0.0	ATER,OIL	UNICHE	172		\$ 9720-9	PCE LIQUID
129462	• • • • • • • • • • • • • • • • • • • •	INERAL OIL	S	163		8 9720-9	PCS LIGUID
129463		YDRAULIC OIL	5 5	158		35 9720-9	PCE LIQUID
129464	<b>J</b>	YDRAULIC OIL	50	179		88 9720-9	POR LIQUID
A29465		YDRAULIC OIL	15	163		90 9720-9	PCE LIQUID
129466	0,000	ATER,OIL	5	172		90 9720-9	PCS LIQUID
129467	0,030	ATER,OIL	20	172		88 9720-9	PCB LIQUID
129468		TORAULIC OIL	15	185		88 9720-9	PCS LIQUID
A29469	0,0,0	IINERAL OIL	2	176		90 9720-9	PCE LIQUID
A29470		ATER,OIL	16	165		90 9720-9	POR LIQUID
A29471	******	t-oir	5	165		88 9720-9	PCB LIQUID
129472		ATDRAULIC OIL	7	147		88 9720-9	PCE LIQUID
129473		MTDRAULIC OIL	UHXNOW	171		88 9720-9	POR LIQUID
129474	<b>JUJ172</b>	HYDRAULIC OIL	5	- 17	02/15	190 9720-9	PCB LIQUID
129475	0,02,	OIL	. 9	17		190 9720-9	PCE LIQUID
129476		OIL	14	17		/90 9720-9	PCS LIQUID
A29477		OIL	2	17		/88 9720-9	PCE LIQUID
A29478	4,000	HYDRAULIC OIL	5	17		/88 9720-9	PCE LIQUID
A29479		HYDRAULIC OIL	7	16		/88 9720-9	PCS LIQUID
A29480		HYDRAULIC OIL	- 5	14	7 04/11	/88 9720-9	PCE LIQUID
A29481		KYDRAULIC DIL	11	17	0 01/20	/88 9720-9	PCS LIGUID
A29482	*****	OIL(HINERAL)				188 9720-9	PCE LIQUID
A29498	0.0	WATER, OIL	. 6 11			188 9720-9	PCE LIQUID
A29499		WATER, OIL	UNIXIONAL			190 9720-9	PCE LIQUID
A29503		OIL	120	-		/90 9720-9	PCE LIGUID
A29504	09896 YES	OIL	120		,,		

C.4.2 Bulk PCB Wastes

STORAGE TAXK	RAD CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPM)	(KGS)	DATE
CD9-F5	Yo .	Misc. Oil and Water	1340	1,558 <sup>8</sup>	06/89
009-F4	Yes	Misc. Oil and Water	>500	114,286 <sup>7</sup>	10/88
009-F1	Yes	Misc. Oil and Water	>500	104,762	10/88
9418-09	Xo	Misc. PCB Oil	290	1,0648	11/89

TOTAL BULK LIQUIDS.... 221,670

Using 8.25 as an average th/gat for water/oil mixture.

 $<sup>7</sup>_{\mbox{ Using 7.00 as an average lb/gal for water/oil mixture.}}$ 

 $<sup>^{8}</sup>$  Using 7.00 as an average lb/gal for water/oil mixture.

<sup>9</sup> Using 7.35 as an average ib/gal for the oil. Using conventional methods this tank was pumped as empty as possible on 12-05-89.

C.4.2 Bulk PCE Westes (cont.)

STORAGE LOCATION	RAD CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPN)	(KCZ)	DATE	
OIL Landfarm Storage Facility	YES .	Soil from Remedial Actions in Oil Landfarm Areas	1,700	636,735 <sup>10</sup>	11/88	
Disposal Area Remedial Action Solid Storage Facility	YES	Soil from Remedial Actions in Bear Creek Burial Grounds, Ponds and Seep areas	12,000	4,704,490 <sup>10</sup>	08/89	
		TOTAL BULK SOLIDS	5,341,225			

<sup>10</sup> Using 100 as an average lb/ft<sup>3</sup> for soil.

### C.4.3 Miscellaneous Equipment

### C.4.3.a PCB articles

NEW ID #	OLD ID #	RAD CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPH)	KASS (KGS)	DATE STORED	STORAGE LOCATION	WASTE CATEGORY
-		-			-			
NS-020		YES	9215 VACUUM PUMP	UNICIONI	181	03/28/88	9720-9	PCB ARTICLE
NS-021		YES	9215 TRAP & PIPES	UKIOKOLIN	113	03/28/88	9720-9	PCS ARTICLE
KS-069		YES	9215 VACUUM PUMP	UKIOKOUK	544	03/28/88	9720-9	PCS ARTICLE
NS-115	022806	YES	TANK	UNIDICIAN	138	01/29/88	9720-9	PCB ARTICLE

TOTAL ARTICLES.... 976

C.4.3.b PCB article containers

WELL 18 4	~ 0 ! 0 4		CONTENTS DESCRIPTION	PCB LEVEL (PPN)	KKGS)	DATE STORED	STORAGE LOCATION	WASTE CATEGORY
NEW ID #								
CS-001		YES	PIPING (9215)	UNIDIOUM	138	05/12/82		PCB ARTICLE CONTAINS
CS-005	0	YES.	N-2 PUMP #261	UNICHE	102	01/26/90		PCS ARTICLE CONTAINS
CS-006	00012820	YES	PIPE POST, NETAL	UNIONOLM	92	05/28/86	-	PCB ARTICLE CONTAINE
CS-022	026733	YES	HETAL, PIPE	UNIDIOLNI	126	03/27/89		PCB ARTICLE CONTAINE
CS-023	026733	YES	METAL, PIPE	UNICHOUN	124	03/27/89		PCB ARTICLE CONTAINE
CS-024	026733	YES	PIPE	UNICHOLIN	158	03/27/89		PCS ARTICLE CONTAINE
<b>ය-0</b> 25	026733	YES.	PIPE	UNIDION	136	03/27/89		PCS ARTICLE CONTAINE
CS-026	026733	YES	PIPE	UNIXIKOLAN	172	03/27/89		PCB ARTICLE CONTAINE
CS-027	026733	YES.	PIPE	UNIDIOUN	147	03/27/89		PCB ARTICLE CONTAINE
CS-028	026733	YES	PIPE	UNIDICINU	99	03/27/89		PCB ARTICLE CONTAINE
CZ-029	026733	YES	PIPE VALVES	UNICHM	79	03/27/89		PCB ARTICLE CONTAINE
CS-030	026733	YES	PIPE VALVES	UNICION	138	03/27/89		PCB ARTICLE CONTAINE
CS-031	026733	YES.	PIPE VALVES	UNIDIOUN	136	03/27/89		PCB ARTICLE CONTAINE
CS-032	026733	YES	PIPE VALVES	UNIDIOLN	113	03/27/89		PCB ARTICLE CONTAINE
ಡ-ಯ	026733	YES	PIPE, HOSE	UNIDIOUN	102	03/27/89		PCB ARTICLE CONTAINE
CS-034	026735	YES	METAL, PIPE	LINIOUN	122	04/11/89		PCS ARTICLE CONTAINE
CZ-035	031202	YES	METAL, PIPE	UNIXECTAL	129	04/19/89		PCB ARTICLE CONTAINE PCB ARTICLE CONTAINE
CS-038	09427	YES	PIPE	UNICION	113		3 9720-9 1 9404-7	PCB ARTICLE CONTAINE
CZ-039	81-5-001		ELECTRICAL PARTS	UNICION	136			PCB ARTICLE CONTAINE
CS-041	82-5-024			UNIDICAN	49		2 9404-7 7 97 <del>2</del> 0-9	PCB ARTICLE CONTAINE
CS-054	86-5-076			UNICHCIAN	172 147		5 97 <del>2</del> 0-9	PCS ARTICLE CONTAINS
CS-058	86-8-096		•	UNIDIOLAN	126		5 9404-7	PCS ARTICLE CONTAINE
C3-060	86-8-188		•	UNICION	102		6 9720-9	PCB ARTICLE CONTAINE
CS-065	86-5-318			UNIDION	104		7 9720-9	PCB ARTICLE CONTAINE
CS-075	87-5-044		· .	UNIDIOM	113		7 9720-9	PCB ARTICLE CONTAINE
CS-081	87-5-065			UNIDICUM	99		7 9720-9	PCB ARTICLE CONTAINE
CZ-088	87-5-08			UNIDIOLIN	68		7 9720-9	PCB ARTICLE CONTAINS
CS-092	87-5-14' 87-5-14'		•	UNIDIGUN	102		7 9720-9	PCS ARTICLE CONTAINS
CZ-094	87-5-15			UNIDIOLN	158	•	7 9720-9	PCB ARTICLE CONTAINS
CS-095	017917	YES		UNIDIOLN	138		9 9720-9	PCB ARTICLE CONTAINE
XS-110	026733	YES		UNIXIOUN	133		9 9720-9	PCE ARTICLE, CONTAINE
жs-118 жs-119	026734	YES		UNICHOUN	566		9 9720-9	PCB ARTICLE CONTAINE
XS-117	026734	YES		UNIDIOUN	1,455		9 9720-9	PCE ARTICLE CONTAINE
xs-120	026734	YES		UNICHOLM	680		9 9720-9	PCB ARTICLE CONTAINE
xs-128	- 027705	YES		UNICHO	129		\$ 9720-9	PCB ARTICLE CONTAINS
NS-124	034235	YES		UNIDIOLN	90	08/15/8	9 9720-9	PCB ARTICLE CONTAINE
NS-135	034235	YES		UNIDICIAN	97	08/15/8	9 9720-9	PCB ARTICLE CONTAINS
NS-136	034235	YES		- UNICHOLAN	88	08/15/8	9 9720-9	PCB ARTICLE CONTAINE
xs-137	034235	YES		UNICIAN	90	08/15/	9 9720-9	PCB ARTICLE CONTAINS
xs-138	034239	YES	= '	UNIDIOLAI	86	08/16/	59 9720-9	PCS ARTICLE CONTAINS
NS-139	034239	YE		UNIDIOLAL	86	08/16/	89 9720-9	PCE ARTICLE CONTAINE
xs-143	069210		S - CAPACITORS	* UNIXIOUM	104	03/02/	89 9720-9	PCB ARTICLE CONTAINS
NS-149	09020		S ELECTRICAL PARTS	UNIXIOUM	124		90 9720-9	PCS ARTICLE CONTAINS
xs-155			S PUMP & PIPE	UNKNOWN	126	07/18/	84 9720-9	PCB ARTICLE CONTAINS
NS-168			S TRANSFORMERS	UNIDICIAN	129	02/15/	86 9720-9	PCE ARTICLE CONTAINS
NS-190	87-8-1	56 YE	S PIPING	UNICION	124	07/20/	87 9720-9	PCB ARTICLE CONTAINS
M120-89-0			S FILTERS(POND 1)	UNICHOLIN	72	10/04/	87 9720-9	PCE ARTICLE CONTAINS
M120-85-0.		YE	S FILTERS	UNIDIONN	120	10/04/	87 9720-9	PCE ARTICLE CONTAINS
	102 034244		S FILTERS	UNICHOLM	129		87 9720-9	PCB ARTICLE CONTAINE
M120-89-0	102 034244	YE	S FILTERS	UNIDIOWN	95	10/04/	87 9720-9	PCE ARTICLE CONTAINE

### APPENDIX H

EXAMPLE OF ELECTRICAL MAINTENANCE DEPARTMENT ANNUAL BEGINNING PCB WASTE INVENTORY

### APPENDIX H

## EXAMPLE OF ELECTRICAL MAINTENANCE DEPARTMENT ANNUAL BEGINNING PCB WASTE INVENTORY

### C.1.2 Bulk PCB Wastes

STORAGE TANK	RAD.	CONTENTS DESCRIPTION	PCB LEVEL (PPM)	MASS (KGS)	DATE STORED
9418-9	Мо	Misc. Transformer Oil	300	34,000	06/88 to 12/88
004-W	Yes	Oil and Water From Burial Grounds	40 ·	57 <b>,</b> 950	11/79
004-N	Yes	Y-12 Plant Waste Oil	720	29,650	01/80
009-F5	No	Misc. Oil and Water	>500	113,245	10/88
009-F4	Yes	Misc. Oil and Water	>500	3,175	10/88
009-F1	Yes	Misc. Oil and Water	>500	1.587	10/88

TOTAL BULK LIQUIDS.... 239,607

STORAGE	RAD.	CONTENTS	PCB LEVEL (PPM)	(KGS)	DATE
LOCATION	CONT	DESCRIPTION		MYZZ	STORED
Oil Landfarm Storage Facility	YES	Soil from Remedial Actions in Oil Landfarm Areas		465,306	11/85 and 1 12/88

TOTAL BULK SOLIDS.... 465,306

### APPENDIX I

EXAMPLE OF ELECTRICAL MAINTENANCE DEPARTMENT ANNUAL WASTE GENERATED REPORT

### APPENDIX I

## EXAMPLE OF ELECTRICAL MAINTENANCE DEPARTMENT ANNUAL WASTE GENERATED REPORT

#### C.2.2 Bulk PCB Wastes

STORAGE TANK	EAD CONT	CONTEXTS DESCRIPTION	PCB LEVEL (PPH)	(KCZ) KYZZ	DATE STORED
***		Mice. Oll. and these		44.033	04.100
∞9-F5	Xo	Hisc. Oil and Water	>500	11,973	01/89 - 06/89
CD9-F4	Tes	Misc. Oil and Water	>500	59,683	01/89 - 06/89
009-F4 ·	Yes	Misc. Oil and Water	>500	51,428	06/89 - 02/90
CD9-F1	Yes	Misc. Oil and Water	.>500	21,429	01/89 - 06/89
CD9-F1	Yes	Misc. Oil and Water	>500	81,746	06/89 - 02/90
9418-09	Xo	Misc. PCE Oil	160	2,000	01/89 - 06/89
9418-09	Xo	Misc. PCB Oil	290	30.583	06/89 - 02/90

258,842 -87,600 10TAL BULK LIQUID.... 171,242

STORAGE LOCATION	RAD CONTENT	CONTENTS DESCRIPTION	PCB LEVE (PPR)	(KES)	DATE
Oil Landiara	TES	Soil from Remodial	100	171,429	01/89
Storage Facility		Actions in Oil Landfarm Areas	to 1700	,425	and 02/89
Disposal Area	YES	Soil from Remedial	≪0	4,704,490	08/89
Remodial Action		Actions in Seer	to	7,102,470	to
Solid Storage Facility		Grounds, Ponds and Seep areas	12,000		11/89

TOTAL BULK SOLIDS.... 4,875,919

 $<sup>^{4}</sup>$  87,600 kg of PCB liquid was added to OD9 tanks when OD4-W & OD4-H were emptied and dismantled.

### APPENDIX J

EXAMPLE OF ELECTRICAL MAINTENANCE DEPARTMENT ANNUAL ENDING PCB WASTE INVENTORY REPORT

### APPENDIX J

# EXAMPLE OF ELECTRICAL MAINTENANCE DEPARTMENT ANNUAL ENDING PCB WASTE INVENTORY REPORT

C.4.2 Bulk PCB Wastes

STORAGE TAXX	CONT	CONTENTS DESCRIPTION	PCB LEVEL (PPH)	(KCZ) XYZZ	DATE
009-F5 009-F4	No Yes	Misc. Oil and Water Misc. Oil and Water	. 1340 >500	1,558 <sup>5</sup> 114,286 <sup>7</sup> 104,762 <sup>8</sup>	06/89 10/88 10/88
009-F1 9418-09	Yes No	Misc. Oil and Water Misc. PCS Oil	>500 290	1.064	11/89

TOTAL BULK LIQUIDS .... 221,670

Using 8.25 as an average lb/gal for water/oil mixture.

<sup>7</sup> Using 7.00 as an average th/gat for water/oil mixture.

<sup>8</sup> Using 7.00 as an average th/gat for water/oil mixture.

<sup>9</sup> Using 7.35 as an average lb/gal for the oil. Using conventional methods this tank use remark so asserted an atting on

# APPENDIX K EXAMPLE OF PCB TRANSFORMERS REPORT

### APPENDIX K

### **EXAMPLE OF PCB TRANSFORMERS REPORT**

### B. PCBs AND PCB ITEMS IN SERVICE AS OF FEBRUARY 5, 1990

### B.1 PCB TRANSFORMERS

### B.1.1 Transformers In Service

TRANSFORMER NUMBER	BUILDING NUMBER	LOCATION	PCB LEVEL CONC.	CAPACITY (GAL)	MASS SERIAL (KGS) NUMBER
752	9204-1	Inside, 1st floor South side	••	630	2,129 7235880

TOTAL TRANSFORMERS.... 2,129

# APPENDIX L EXAMPLES OF CERTIFICATES OF DISPOSAL

### APPENDIX L

### EXAMPLES OF CERTIFICATES OF DISPOSAL

EPA ID #ILD000672121 ILL ID #0316000058



CERTIFICATE NO 02670

# **Certificate of Destruction**

	Chemical				•			
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has t	been incir	nerated	and t	hereby	destroys	ed as	of this day	
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OAK	C HIDGE		TH 3	7-19-1				
Contact	J.T. :=0U	IST						

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State Form LPC 82 8/81 8.532-0810 UNIFORM HAZARDOUS 1. General to contain the contain con . 1. Generator's US EPA ID No. IL 411/364 MANUFEST Location & Oifferenc 3. Generator's Nerre and Meding Accress U.S. DOE c/o MARTIN MARIETTA ENERGY SYSTEMS, INC. PLANT Y-12. P.O. BOX 2009, OAK RIDGE, TN 37831 B. Minos Gamestors 9.470075081 574-7172 (ATTH: D.M. FOSTER 4 Generator's Phone ( 675 US EPA IO Number C. Minos Transconers 10 5. Transporter 1 Company Name <u>10 10 17 .</u> 1 TLD 099-202-581 CHEMICAL HASTE MANAGEMENT. INC. D.(312) 396-1060 Transparers Phone E.Bros Transporters D · 7. Transporter 2 Company Name US EPA ID Number Transcrars Prone F.( ) US EPA IO Number Q. Designated Facility Name and Sile Address G. Tinon CAN CHEMICAL SERVICES, INC. 10 13 17 15 10 10 10 10 15 1 H.Facaty's Phone 11700 S. STONEY ISLAND AVEIUE CHICAGO. ILL THOIS 50617 וֹנְדַ בַּלַתְּבַתְּחֵתְ הְוַזְּ '312")646-5700 11. US DOT Description (Brokering Proper Shipping Name, Hested Class, and ID Number) 12.Contamen Type XXEOD TRO, HAZARCOUS WASTE, LIQUID, N.O.S., ORM-E, NA 9189. X5718 (E) (Polychlorinated Biphenyls, Tetrachloroethylene, n.n.1 7.-17 5-4-and 1.1.1-Trichlorcathane) R 0 L ACCIONE DESCRICTORES FOR MELETINE LISTED ADDRESS In Stern # 14 IN: CASE OF AN EMERGENCY CALL CHEM-TREC AT 1-800-424-9300 2 - Cubic Yards 1 = Gallons AND TODO BUTZ, Y-12 PLANT, AT (615)574-3647 HET WEIGHT: 39,400 POUNDS. GROSS WEIGHT: 74,600 POUNDS. W.O.# 89-1885 . 15. SOCIE PARCETO PARCETO ACCESSION DIKE AND CONTAIN IN CASE OF SPILL. SO NOT WASH INTO SEWERS AND/OR WATERWAYS. LARGE MARKS ML APPLIED PER 40 CFR 761.40(b) AND D.O.T. IDEN-TIFICATION NUMBER 9189 APPLIED. IF UNABLE TO DELIYER, RETURN TO GENERATOR. TEX bondon fat Me surv and Medicinery described above or COLDER SYNCHIST RATE OF CREATER, DECIDE, FRANCE, AND ROSSEL, AND IN SIX PRODUCE IN COLDER CONDUMY NOT TRANSPORT BY NOT If I are a wide quartery quinterer, I carely that I have a progress or once CONTINUES OF STANCES AND STAN I THE I THE SECOND THE CONTINUES AND SECOND SET THE SECOND SECON Micropia, air caspassus durinarialy avairable to l Sr. I have masse & goog bush effort to micro NAMED STREET TO PLANSE OF MOTET CAY TE. 1.01.12 ១ខក្ខុង ខ្លួង 7 117 Transcorer' I Ticknowscoomers of Recept of Materials Monen Cay Ye. ទ្រក្សុទ្ធ 15. Transporter 2 Actinomedicement of Receipt of Materials Printed/ Typed Name Signature 19. Discrepancy indication Space \* Rod 6419 101 /34 760 Des Jul 3111.36 20. Faculty Owner or Coersion: Certification of receipt of hazardous materials covered by this manuest except as noted in Ham 19. MOTER ON YE Primar Typed Name Tale 776 Nap. 2.12

COPY 3. TSD COPY



### CERTIFICATION

# P.O. BOX 8513 333 EXECUTIVE COURT LITTLE ROCK AR 72205 (501) 223-4160 No. 56232 CERTIFICATION OF COMPLIANCE AND DISPOSAL

MARTIN MARIETTA-TN ACCOUNTS PAYABLE DEPT. P.O. BOX 2004 OAK RIDGE, TN 37831-2004

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**ENSCO INCORPORATED** 

BY	Vin Cathan	
NAME	ANN CATHEY	
TITLE	WASTE TRACKING MANAGER	
DATE	2-23-90	•

SA2-11 (REV 3/88)

March 19, 1990

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### APTUS '

### CERTIFICATE OF DISPOSAL

NO. 11164

US DOE/c/o Martin Marietta Plant Y-12, P.O. Box Y Oak Ridge, TN 37830

THIS IS TO CERTIFY THAT THE HAZARDOUS SUBSTANCE MANIFESTED TO APTUS ON APTUS DOCUMENT # 045LD WAS DISPOSED OF IN ACCORDANCE WITH 40 CFR 761 AS OF 03/07/90.

APTUS

EPA ID # KSD980964993

SHERI SANDERS PCB DOCUMENT ADMINISTRATOR

- A Westinghouse Company --

### Aptus

### DETAIL REPORT

DETAIL REPORT						
DOMON JS DOE/c/o Martin Marietta Levit 0,00 box t In Augus Di 1708 N A I LOSEONOON	International Technology Corp. Habitems and Lamber 2 2022	APT DOC # 045LD DE STEEM: SUIVE DE GOOD EL SUIVE DESTRUCTURE DE SUIVE				
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000, 630, 640, 630, 130, 140

# APPENDIX M PCB SHIPMENT TELEPHONE LOG

### APPENDIX M

### PCB SHIPMENT TELEPHONE LOG

### PCB SHIPMENT TELEPHONE LOG

MANIFEST NUMBER	DATE	TIME	DESIGNATED DISPOSER	TRANSPORTER	INDIVIDUAL CALLED	MMES CALLER	COMMENTS
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# APPENDIX N BUILDING CONTACTS FOR PCB EQUIPMENT

### APPENDIX N

### BUILDING CONTACTS FOR PCB EQUIPMENT

### BUILDING CONTACTS FOR PCB EQUIPMENT

BUILDING	CONTACT	OFFICE	M.S.	PHONE
9204-02	D J Merkel T R Shope S C Sterling C H Fritts J G Tracy	9204-02	8129	4-2477
9998		9212	8192	4-6328
9202		9202	8087	6-5278
9212		9212	8197	4-0327
9204-03		9204-03	8044	4-0425
9981	B M Rutherford	9981	8191	4-2397
	C E Sliski	9206	8123	4-2125
9206 9616-3TK3 9813	L Berry L Berry	9202 9202	8094 8094	4-0922 4-0922
9731	G A Gillis	9731	3174	6-4649
9201-02	L R Ballard	9201-02	8076	4-0130
3201-02	A K Johnson	9201-05	8159	6-7781

# APPENDIX O LIST OF LARGE PCB CAPACITORS

### APPENDIX O

### LIST OF LARGE PCB CAPACITORS

### **B.3. LARGE PCB CAPACITORS**

Building	On-Site as of 01/01/89	Number of Units removed as of 02/05/90	On-Site as of 02/05/90
9204-2	72	0	72
9998	111	0	111
9202	83	0	83
9212	18	0	18
9204-3	617	8	<u>609</u>
		TOTAL CAPACITORS	893

# APPENDIX P MISCELLANEOUS SOURCES OF PCBs AND PCB ITEMS

### APPENDIX P

### MISCELLANEOUS SOURCES OF PCBs AND PCB ITEMS

- B.4 MISCELLANEOUS SOURCES OF PCBs AND PCB ITEMS
- B.4.1 Hydraulic Systems

None 2

B.4.2 Heat Transfer Systems

None 3

<sup>&</sup>lt;sup>2</sup> The Y-12 Plant has approximately nine hydraulic systems which contain quantities of PCBs less than 50 ppm.

<sup>&</sup>lt;sup>3</sup> The Y-12 Plant has approximately nine heat transfer systems which contain quantities of PCBs less than 50 ppm.